

THE  
**ARCHITECT**  
& BUILDING NEWS

2 JUNE 1955

VOL. 207

NO. 22

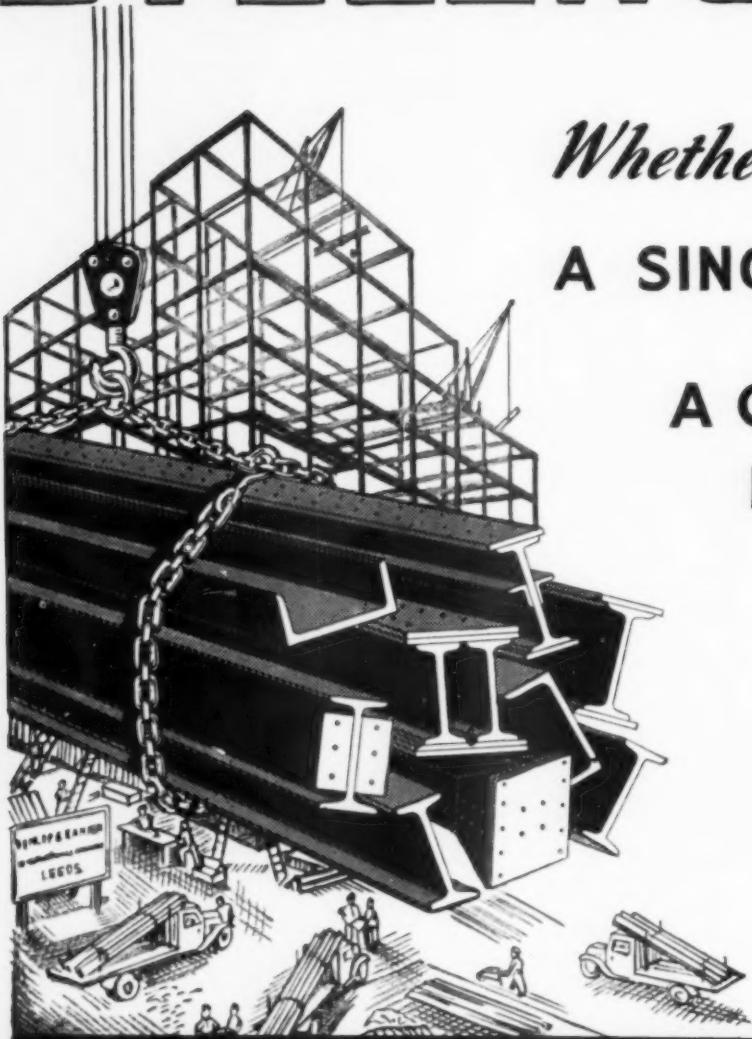
ONE SHILLING WEEKLY

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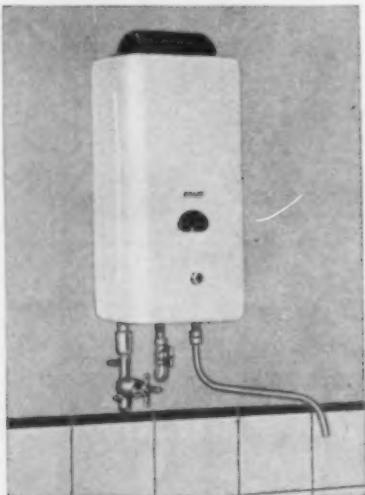
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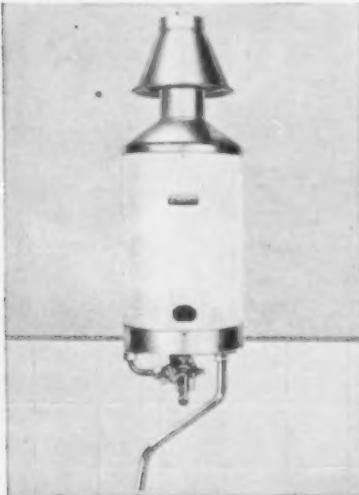
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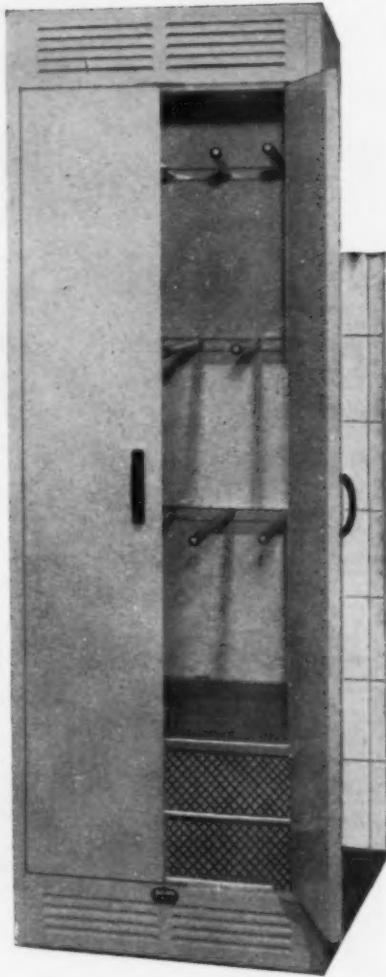
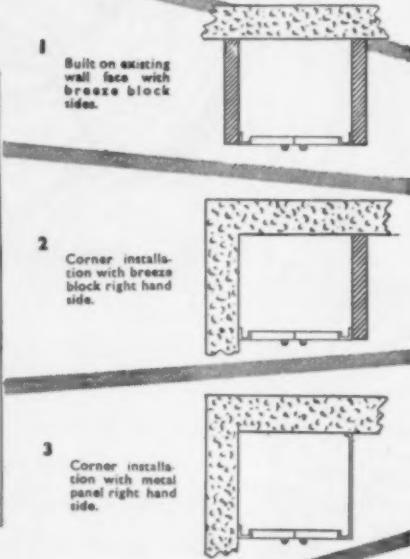
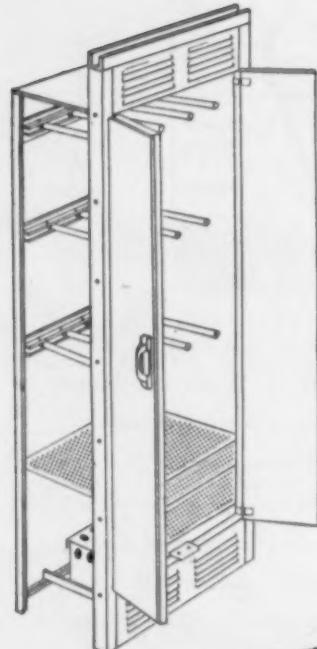
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## B.E.A. Staff Catering Building at London Airport

The illustration shows the interior of the new staff catering building at the British European Airways London Airport Permanent Maintenance Base. The main restaurant with serveries, kitchens and stores is on the left. The building is of framed concrete construction in 12'0" bays with 60'0" span roof prestressed beams designed on the Lee-McCall system. The block flooring is treated with a plastic finish.

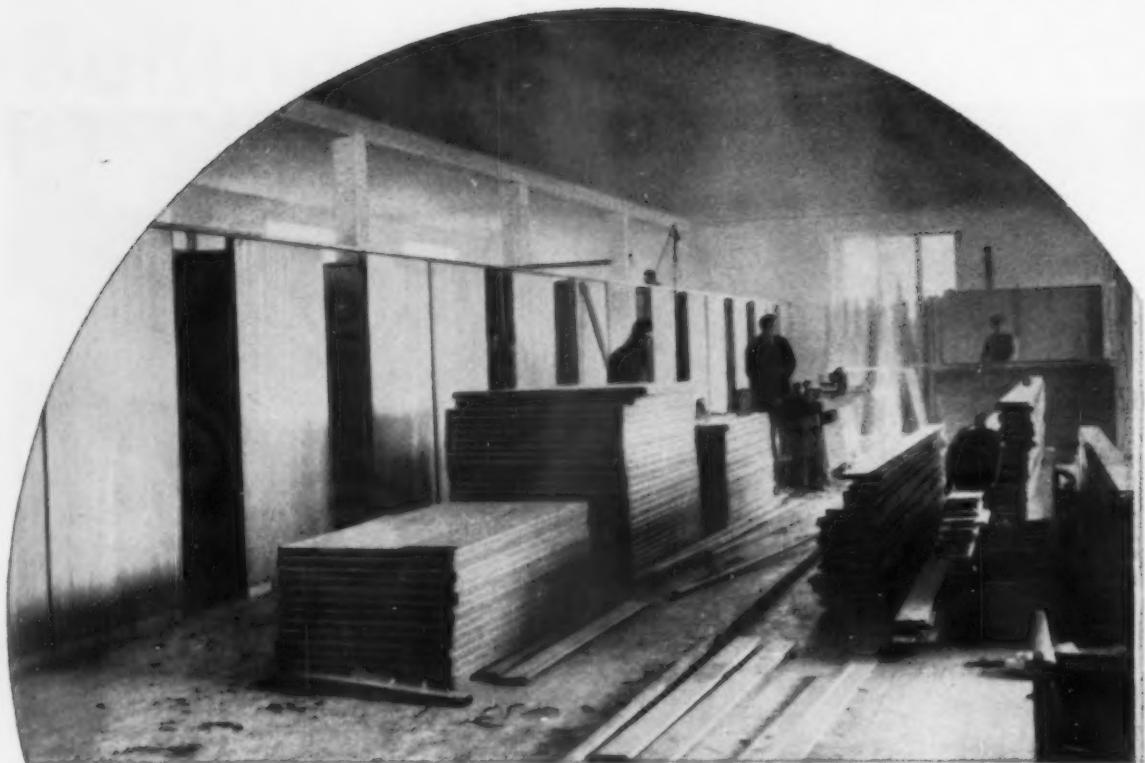
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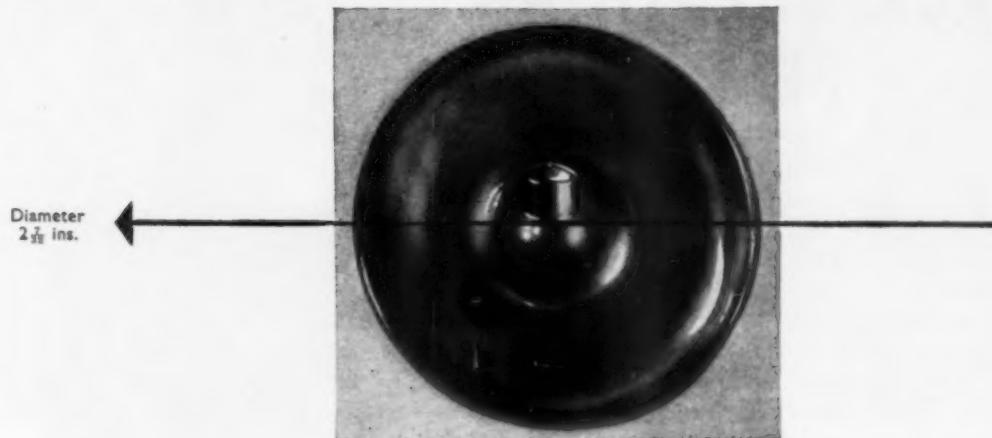
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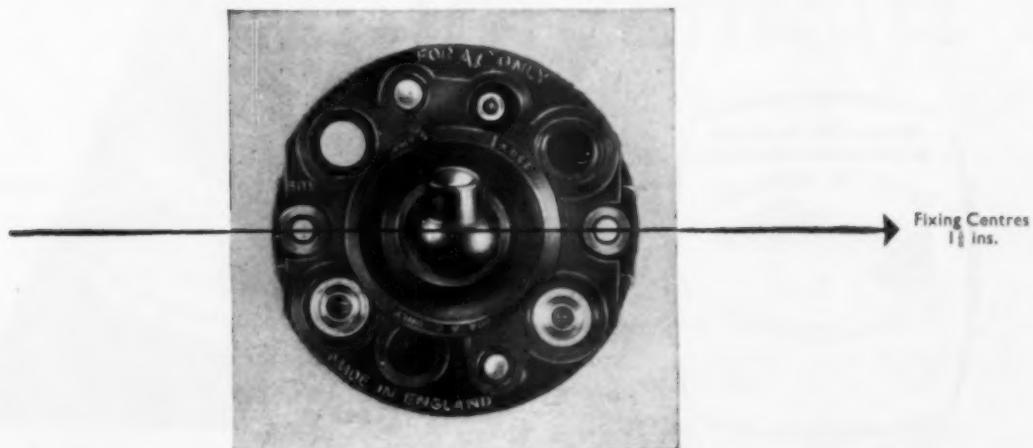
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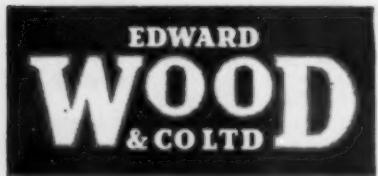


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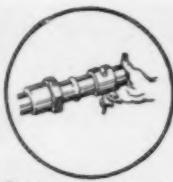
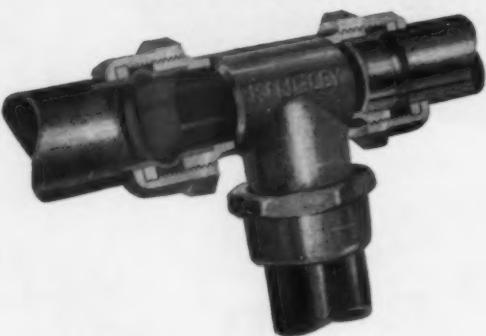
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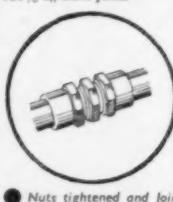
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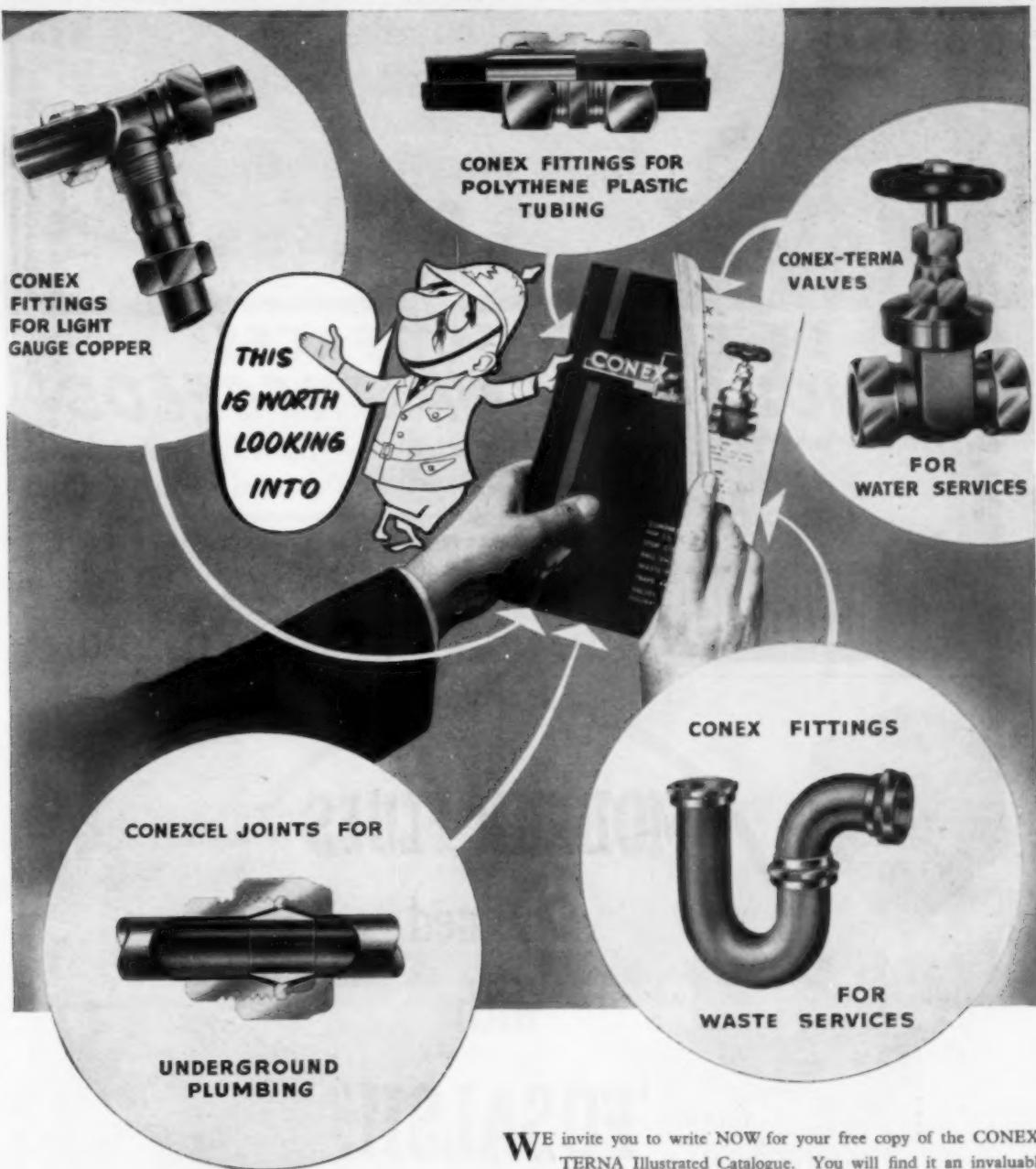
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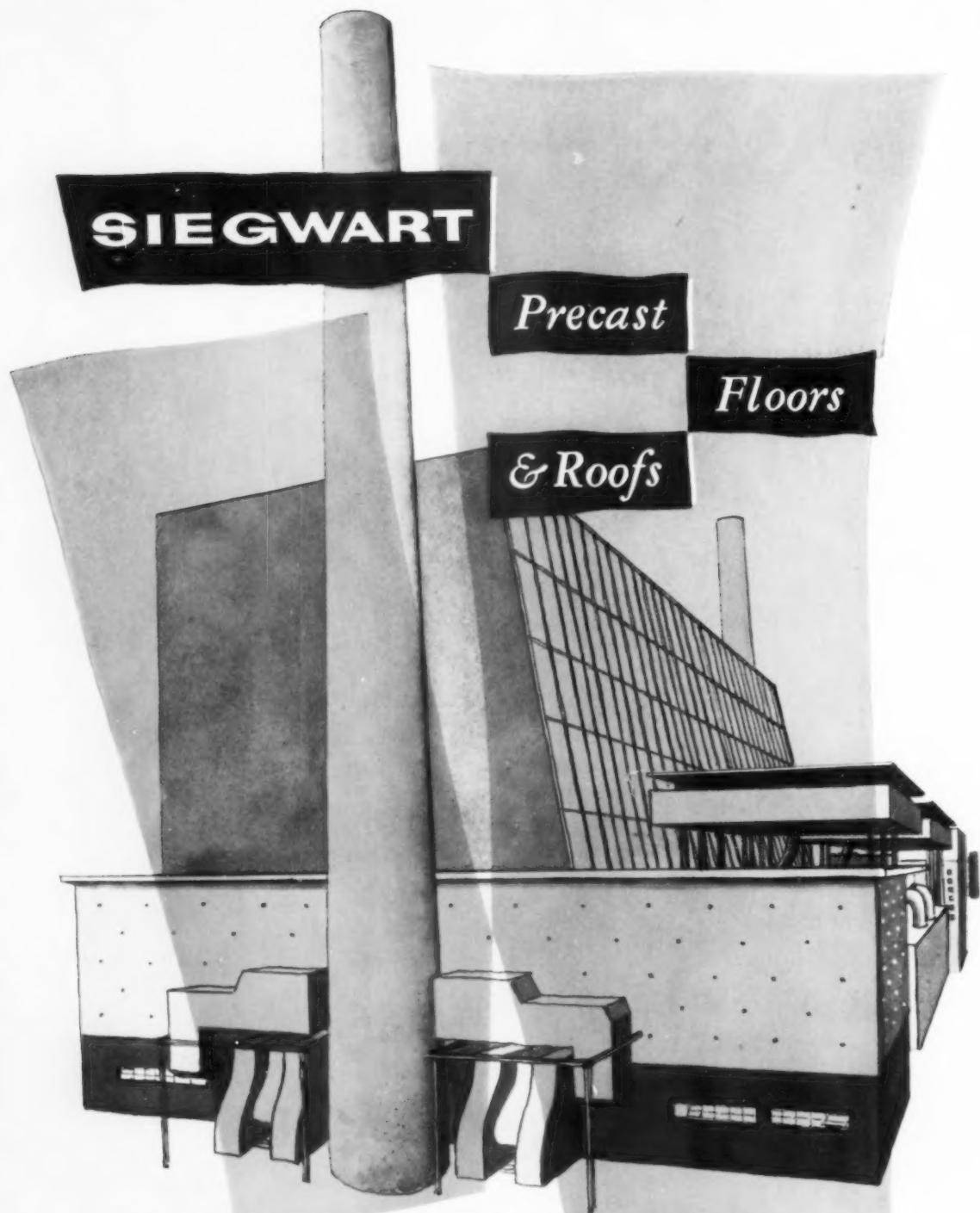


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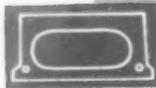
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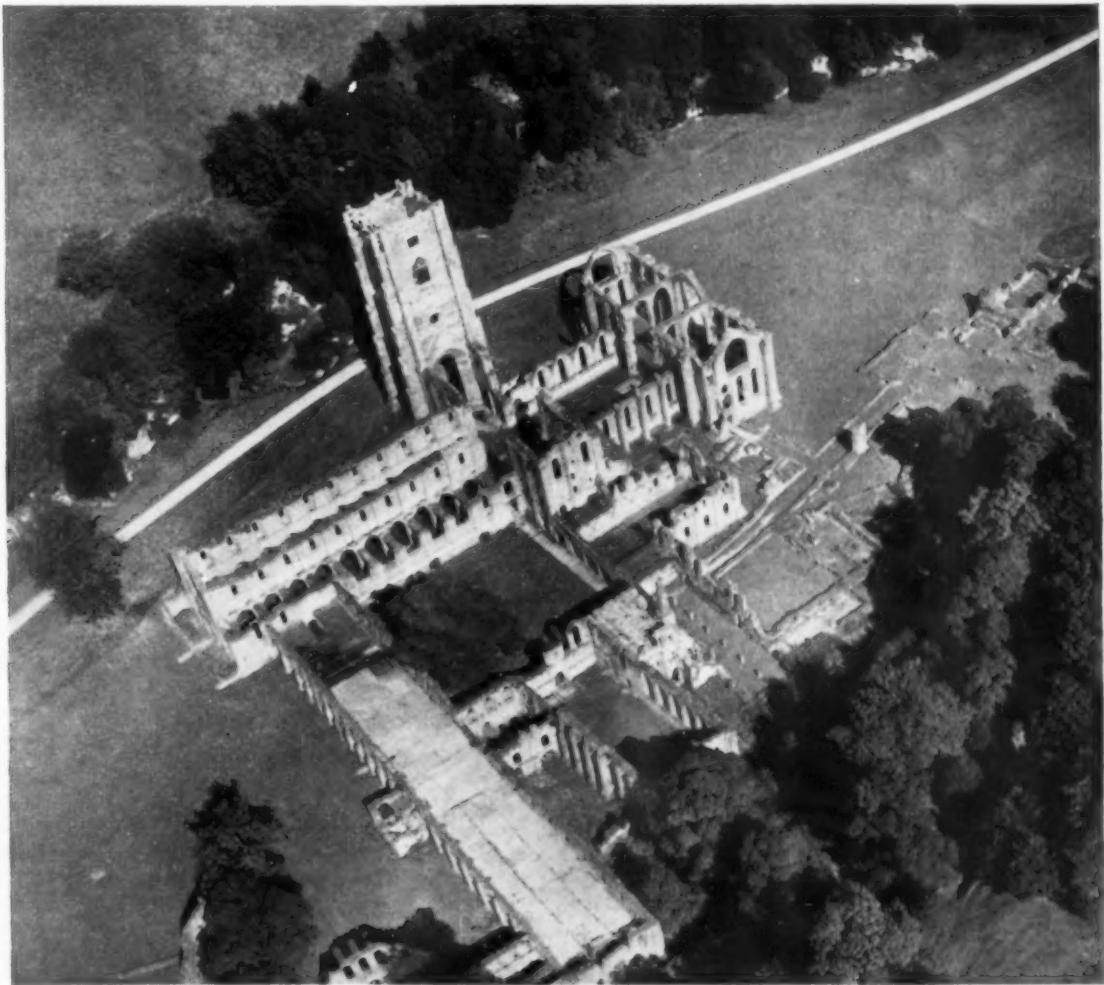


Photo: Yorkshire Post

**BRITISH ARCHITECTS' CONFERENCE, HARROGATE**

This year's Conference opens on Thursday, June 9 in the Royal Hall, Harrogate. It takes place in the area of the West Yorkshire Society of Architects some of the work of whose members is illustrated in this issue. A special article deals with the architectural background of the area and includes reference to architecture which will be seen on the Conference tours. Fountains Abbey will be recognized in the view above.

## E V E N T S   A N D   C O M M E N T S

### *ROYAL SOCIETY OF ARTS BURSARIES*

I suppose that the various juries which judge the different competitions for the R.S.A. juries must be very experienced and possessed of second sight, for to my mind many of the glowing tributes paid to the work of competitors seemed, to say the least, exaggerated. It was interesting to see how the drawing techniques for different industries vary. To the uninitiated it was extremely difficult to visualize a finished shoe from the fairy-like marks on the paper. Accustomed as I am to "asparagus" fashion plates, I still find it difficult to judge a dress from an "artist's impression." Textile drawings are easier to understand and easier to judge. In the design of mechanical gadgets it is difficult not to be swept off one's feet by the excellence of the drawing and the slickness of presentation. In this section more than any other I felt that the judges had been blinded. But then, I did not see the unsuccessful entries.

### *THE CHELSEA FLOWER SHOW*

Was it better than last year? It seems a silly question to ask, but it is the first thing that anyone says when they hear that you have been.

To my garden innocence it is just a lovely lot of flowers all much bigger and better than I am ever likely to grow. But I like the people who go there almost as much as the flowers. It seems to me to be the largest annual gathering of the nicest people from town and country.

The landscaping was as usual pretty dreary, although one firm, Winkfield Nurseries, had a very pleasant garden which owed, I felt, not a little to the Festival of Britain.

I missed the C.O.I.D. exhibit of garden furniture last year. There was little sign of its influence this year. Teak seats and tables did, however, seem to be better designed. Japanned wrought iron and wavy-edged wavy houses are still apparently popular.

No one, it seems, makes good outdoor pots or troughs for growing things in. I am sure there is a market for such things.

### *THE OWEN JONES' STUDENTSHIP*

In these days no one much goes in for this should-be important competition. The fact that the conditions have been rewritten three times since the studentship was instituted ought to mean that the present competition is reasonably up to date. In each revision a knowledge of Owen Jones' Grammar of Ornament has been required. In the latest revision, made in 1949, critical notes, not necessarily illustrated and limited to 1,000 words, are all that is required in this part of the contest. This is in marked contrast to the original condition, which required a full knowledge of Owen Jones' theories, and, I suspect, an uncritical acceptance of them.

Competitors who may be promising students or architects are also required to submit a portfolio giving evidence of the study of colour in actual buildings. Drawings, sketches and notes are wanted, but clippings from the glossy papers do not qualify. Competitors must also include an original architectural design in which colour is an integral part of the building.

Come on all you talkers about the need for painters, sculptors and architects to get together!

### *F.L.W. ON F.L.W.*

Frank Lloyd Wright has recently contributed two more autobiographies to the world's architectural bookshelf. One has been published here and one in the United States. Doubtless they will be reviewed in this journal before long.

The grand old man has recently been exchanging hard words with the Wisconsin tax authorities, who refused to grant income tax exemption to Taliesin. F. L. W. argued that it was an educational establishment, not a business. A court ruled that it was a business. This caused Mr. Wright to form the opinion that the State of Wisconsin did not appreciate his work. He threatened to leave. The result was a testimonial dinner with glowing tributes from the State Governor, a past president of the A.I.A., and numerous distinguished citizens. Mr. Wright also received a cheque for \$10,000 to help pay his taxes.

### *PARENTHESES*

Under this heading and with all the paragraphs set in what I call brackets, the *Architectural Forum* has recently started a *New Yorker* type gossip column. I shall have to draw the attention of the gentleman who writes it to the fact that there are some old-established architectural columnists on this side of the Atlantic. After all, he might one day quote one of us as I propose to quote him—now.

F. L. W. (again) recently attended a meeting of the Artists' Equity Association—Trade Union fans note title—in New York. "I assume," he said, "that since this is Artists' Equity everyone here is an artist. Well, I am here as a representative of the Mother of Arts, Architecture, and I must tell you that for the past 50 years Architecture has been out in the gutter, prostituting herself, which makes you, all of you, illegitimate."

I suppose that is why some people in this country always refer to Architecture as the Mistress Art.

### *ANOTHER GOLD MEDAL FOR DUDOK*

Willem Dudok has been awarded the gold medal of the American Institute of Architects, and will receive it from the president, Mr. Clair W. Ditchy, in Minneapolis on June 23. Mr. Dudok was awarded the Royal Gold Medal in 1935.

### *TAILPIECE*

*Extract from programme of Boxing Contest held in Bangkok on April 17:—*

Kamron Noy in the red corner, Bright star of Yontrakit Camp, he is a tough youngster with scientific and force whose style is sure-shot in marching in and invades opponents with dangerous limbs and rewards the T.N.T. punch to opponents. And in the opposite corner is Kimyong, one of the colourful cauliflower-furnished sensational tactics of kick and elbow-smashes in full of all actions, but unfortunately he is not so good in force running through the home stretch.

#### *Extract From Rules*

Biting, drawing the hair off and spitting shall not be allowed to use in the progress of their contest.

### *A B N E R*

*Last week's story, "Give Them an Inch," was true.*

## C O R R E S P O N D E N C E

B.A.G.

To the Editor of A. & B. N.

Sir,—Some months ago the British Architectural Guild announced through the medium of the technical press that it was proceeding to invite salaried architects within the profession to support the activities of the Guild. As a result the Guild has received the support of a number of salaried architects, among them members of all the existing professional organizations.

It has always been the hope of the Guild that some means would be found whereby its existence would be acceptable to all branches of the profession; to that end the Guild itself has repeatedly made it clear that it would be only too willing to discuss modifications of its constitution in order to meet any possible objections that may be entertained on this score.

Let it be realized here and now that the British Architectural Guild is a separate entity and is not, as has been misrepresented, an appendage of the Incorporated Association of Architects and Surveyors. The I.A.A.S. was but an instrument in the formation of the B.A.G. which was presented to the profession to be managed and controlled by those in the profession in whose interests it was formed. The I.A.A.S. has made it clear that it seeks no glory or reward, either direct or indirect, other than the realization of an honest belief that what it did was done in the interests of the profession.

The Royal Institute of British Architects in annual general meeting has resolved that the Council of the Royal Institute should give further consideration to protective measures for salaried architects, in keeping with the wishes expressed through the questionnaire of last year. The Guild is once again suggesting to the Royal Institute that at least the question of its existence and its constitution be discussed. It should be pointed out that of all the criticisms levelled against the Guild none has been made of its aims and objects or of the soundness of its basic formation. The one criticism of its rules has been concentrated on the question of the representational constitution of its Council of Management, to which the Guild has already replied that this can easily be adjusted by a simple change of rules. One outcome of a settlement of personal differences between the professional organizations could be a representative body, not adrift, but working in the closest possible liaison with all these bodies and thereby enhancing the dignity of the profession, while providing adequate machinery for the protection of all classes of salaried architects.

No criticism is implied of the attitude of the Royal Institute of British Architects; the Guild fully realizes the difficulties with which the Royal Institute is confronted by virtue of its Royal Charter, and by reason of the large number of members who are also

in private practice, and who understandably may not all welcome the formation of an employees' organization. Unfortunately, the trend of recent years has drawn a much greater proportion of architects into salaried employment, and particularly outside the field of private practice. If, therefore, the position of the architect is to be maintained, it is essential that these practitioners be adequately represented by architects; otherwise, the salaried architect in nationalized industries, Local Government, Central Government and industry generally, will be relegated to very inferior status in relation to that of other professions, and this, in turn, will adversely react upon the standing of the architect in private practice.

What standing will the private practitioner have in the world of commerce and industry when, say, the maintenance engineer employed by an industrial group fully develops the mental attitude that he has on his staff a number of "tame architects" whose salary and status are equivalent to those of ordinary workshop draughtsmen?

It is intended to present shortly a report of the recent activities of the Guild; in the meantime it is sincerely hoped that a solution will have been found to enable the various bodies within the profession to move forward as an allied phalanx instead of standing still in isolated self-sufficiency.

The Guild is prompted to ask the question: "What have the professional organizations to lose by discussing the problem with the Guild?" To enter into a discussion at this stage could not be interpreted as recognition, if this is what is feared, but it would at least present to the profession a sign that the professional organizations were prepared to investigate all possibilities of furthering the interests of not only their individual members, but also of the profession as a whole.

I am, etc.,

BRITISH ARCHITECTURAL GUILD.

R.I.B.A. and "Other Professional Bodies"

To the Editor of A. & B. N.

Sir,—As the President of the Institute of Registered Architects has given publicity to his letter to the Secretary of the R.I.B.A. it is presumed that public comment is not unwelcome.

No doubt the Secretary R.I.B.A. will reply, in suitably dignified terms, to the effect that "If the cap fits . . ." but the onlooker is left wondering why any member of the largest should want to become a member of the "second largest architectural body."

Hitherto some of us have been under the impression that the second body and others like it were founded to cater for those who could not or would not bother to pass qualifying examinations, yet placed such value on having "letters after their names" which

might impress those uninformed on such matters, that they were prepared to pay an annual subscription to qualify for this alphabetical receipt.

However, the confession of the President of No. 2 that he is at a complete loss to understand what is pretty obvious makes one question what can No. 2 do that No. 1 cannot?

I am, etc.,  
LEONARD HOWITT, F.R.I.B.A.

### R.I.B.A. Council Elections

SIR,—The balloting papers for the Council have just been sent out by the R.I.B.A. to all of its members.

An examination of these will reveal the fact that another overwhelming majority of County Architects, Borough and Government Architects have put their names up for election.

It must surely be appreciated by many members of the Institute that the sorry state of affairs there is in no small measure due to the past control of these very "officially" minded members of the Council.

May I suggest to those about to vote for the R.I.B.A. Council that they "try out" the lesser-publicised names as, if elected, they couldn't possibly be worse than the "old gang," and they might easily prove a lot better.

I am, etc.,  
"NEW BROOM."  
(Name and address supplied.)

### ANNOUNCEMENT

Abbey & Hanson, 11, Cloth Hall Street, Huddersfield, have appointed Mr. Eric H. Knight, Dip.Arch., A.R.I.B.A., in charge of their office at No. 11, Wyle Cop, Shrewsbury, Telephone No. Shrewsbury 4722.

Trade literature and samples will be welcomed.

### COMING EVENTS

#### *The Royal Institution of Chartered Surveyors*

June 6 at 5 p.m. Annual General Meeting to receive the council's report for the session 1954-55 and the results of the ballot for the election of the council for the ensuing session. At 12, Great George Street, S.W.1.

#### *British Architects' Conference*

June 8 to June 10 at Harrogate.

#### *London Master Builders' Association*

June 8 following luncheon at 1 p.m. General meeting. Annual brains trust. At Derry & Tom's Restaurant, Kensington High Street, W.8.

### EXHIBITIONS

Aluminium 1955 Exhibition, June 1-10, at the Royal Festival Hall, sponsored and organized by the Aluminium Development Association; exhibition designed by Ronald Dickens, M.B.E., F.S.I.A.

Giacometti Exhibition, June 4-July 9. First one-man exhibition of the Italian sculptor Alberto Giacometti. Arts Council, 4, St. James Square.

# BRITISH ARCHITECTS' CONFERENCE



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## WEST YORKSHIRE SOCIETY OF ARCHITECTS CONFERENCE OFFICERS

1. **HUBERT BENNETT**, F.R.I.B.A., President West Yorkshire Society of Architects. Vice-President of the Conference. Chairman of the Conference Executive Committee.
2. **J. GORDON BERRY**, A.R.I.B.A., Hon. Treasurer, West Yorkshire Society of Architects.
3. **F. CHIPPINDALE**, F.R.I.B.A., Head of Leeds School of Architecture. Convener of the Exhibitions' Committee.
4. **ANDREW DERBYSHIRE**, M.A., A.R.I.B.A., Secretary Handbook Committee.
5. **N. H. FOWLER**, F.R.I.B.A., Vice-President, West Yorkshire Society of Architects.
6. **A. W. GLOVER**, F.R.I.B.A., Deputy County Architect, West Riding County Council. Convener, Tours Committee.
7. **W. H. KING**, F.R.I.B.A., Joint Hon. Sec. West Yorkshire Society of Architects.
8. **JOHN LEIGH**, A.R.I.B.A., Sec. Accommodation Sub-committee, Harrogate.
9. **NORMAN S. LUNN**, B.Arch., F.R.I.B.A., Secretary of Tours Committee, Huddersfield.
10. **NOEL PYMAN**, F.R.I.B.A., Vice-Chairman—Conference Executive Committee, Convener—Accommodation & Social functions sub-committee.
11. **GEOFFREY A. ROWE**, Dip. Arch., A.R.I.B.A., Convener Handbook Sub-Committee, Hon. Editor, West Yorkshire Society of Architects "Green Book."
12. **R. S. SHAPLEY**, F.R.I.B.A., Joint Hon. Sec., West Yorkshire Society of Architects, Sec. Publicity Sub-committee.

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## *The Architectural Tradition*

WHEN Horace Walpole paid a short visit to these parts exactly 200 years ago, he made three brief observations in particular. One was a vision into the future, perhaps, inspired by Wentworth Castle, where he was staying:

The richness and extent of Yorkshire quite charmed me. Oh! what quarries for working in Gothic!

The second was a statement of fact:

We lay at Leeds, a dingy large town.

His real object in coming to Leeds at all was that he might see Kirkstall Abbey, and this third point was that the Abbey, which he imagined was a "Saxon" ruin (a curious error for so learned a dilettante), lay in a most "picturesque" situation. Had he been able to return a century later, he would have seen how his prophecy, or pious hope, about Gothic had come true; there used to be no place like Leeds in which to study the spirit of the Gothic revival as made manifest in an English city. By then it had become a city of spires, not the gleaming spires of an Oxford, but black points piercing an atmosphere which was less cloud-capped than smoke-enwrapped. Still, the spires were there and they are still to be seen on a rare clear day from various heights around the city: that they are but dim-discerned merely reinforces the truth of Wal-

pole's second comment about Leeds itself. The town was dingy because it was dirty, and it was dirty because it was preoccupied with manufactures; as years passed by and manufactures grew, it became more and more uncleanly, and is only now beginning to recover from the damage to life and property engendered in the process of unregulated growth. The atmosphere of Leeds has not had a very beautifying effect on its architecture.

Walpole's third note about the "picturesque" was a token that a new era in taste had begun: he was not the first of the race of travellers to make a call here in answer to the new spirit of wanderlust which the eighteenth century seemed to induce in Englishmen, but he struck a new note. He had long been preceded, for example, by the intrepid Celia Fiennes, who was followed in Anne's day by Defoe and in early Georgian times by the son of Defoe's patron, the Earl of Oxford, by Bishop Pococke and others. The interest of these early travellers was practical: they found few, if any, curiosities of architecture to see, and what took their fancy was not so much the old Parish Church or the newer St. John's as the famous cloth-market in Briggate. Celia was here to take the waters at Harrogate and Knaresborough, Defoe to spy out the land like Caleb of old, Don

# ERENCE, HARROGATE, 1955



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By FRANK BECKWITH

Manoel to take stock of the country's trade. With Walpole, however, the centre of interest changes. The celebrated cloth-market did not cease to attract visitors, but to the newer race of travellers Leeds became a useful, if not exactly ideal, halting place on the way to somewhere else rather than a place with attractions of its own. This somewhere else was the district to the north, Wharfedale and beyond, and it provided a different scene: it became Turner's country. Leeds could not please the delighted children of the Age of the Picturesque and the Romantic, but Harewood, Harrogate, Kirkstall, Knaresborough, Ripon did. A common route lay through Wakefield to Leeds and on by way of Harewood to Harrogate (or vice versa), and many of the picturesque items seen by even the earliest travellers are still to be seen to-day.

Only the ruined Cistercian abbey at Kirkstall was actually in Leeds at that date, but Templenewsam, a spacious seventeenth century mansion, altered by Carr in the eighteenth century, was not far off and is now within the city's bounds: it is easy of access, and is so well known that a full description of it is not necessary here, the less so that it has its own admirable literature. Sticking fairly close to the main road, early travellers rarely mention the many country mansions which graced and took advantage

## PROGRAMME JUNE 8-11

**Conference H.Q.:**  
**Majestic Hotel,**  
**Harrogate. Tel. No.:**  
**Harrogate 2261**

### Wednesday, June 8

9. 0 p.m.  
to  
11.30 p.m. Informal Reception at the Majestic Hotel, Harrogate, at which members are guests of the West Yorkshire Society of Architects.

### Thursday, June 9

9.45 a.m.  
to  
12.30 p.m. Inaugural Meeting at Royal Hall.  
Address—Welcome by the Mayor of Harrogate.  
Address—Mr. C. H. Aspin, C.B.E.,  
President R.I.B.A. Papers on "The Organisation  
of the Building Industry and the Archi-  
tect's responsibilities" by Sir Thomas Bennett,  
K.B.E., F.R.I.B.A., and Mr. D. E. Woodbine  
Parish, Past-President of the London Master  
Builders' Association.

2.45 p.m.  
to  
5.30 p.m. Garden Party at Harewood House by gracious  
permission of H.R.H. The Princess Royal.  
Cricket Match—Yorkshire Architects versus  
The Rest.

8.30 p.m.  
to  
midnight. Civic Reception and Dance at the Royal Hall.

### Friday, June 10

10. 0 a.m.  
to  
1. 0 p.m. "The Organisation of the Building Industry  
and the Architect's Responsibilities," by  
Sir Thomas Bennett and Mr. D. E. Woodbine  
Parish.

Afternoon.  
*Tour No. 1*  
Headquarters — Pannal — Harewood — Leeds  
(tour, tea at Templenewsam)—Wetherby—  
Spofforth—Headquarters at 5.30 (half day).

*Tour No. 2*  
Headquarters — Knaresborough — Wetherby—  
Bardsey—Wakefield (visit County Archi-  
tect's offices) (tea)—Aberford—Bramham—  
Boston Spa—Wetherby—Spofforth—Head-  
quarters at 5.30 p.m. (half day.)

*Tour No. 3*  
Headquarters — Knaresborough — Ferrensby—  
Minskip — Boroughbridge — Skelton—  
Newby Hall (Adam interiors, works of art,  
gardens of high repute)—tea)—Ripon—  
Wormald Green—Ripley—Headquarters at  
5.30 p.m. (half day.)

*Tour No. 4*  
Headquarters — Ripley—Bishop Thornton Road—  
Fountains Abbey and Hall—Studley Royal—  
Ripon (tea)—Wormald Green—Head-  
quarters at 5.30 p.m. (half day.)

Morning.  
*Tour No. 5*  
Headquarters — Ripley — Sawley — Granby  
— Masham—Middleham or Leyburn (lunch)—  
Wensley — Aysgarth — Buckden — Burnsall  
— Bolton Abbey — Blubberhouses — Head-  
quarters at 5.30 p.m. (whole day.)

*Tour No. 6*  
Headquarters — Knaresborough — Green  
Hammerton—arrive York at about 11.0 a.m.—  
Acomb — Rufforth — Marston Moor —  
Wetherby — Spofforth — Headquarters  
5.30 p.m. (whole day.)

7.15 p.m.  
for  
7.45 p.m. Conference Dinner at the Majestic Hotel,  
Harrogate.

### Saturday, June 11

Informal visits to places of interest.

### The Architectural Tradition

of the landscape, such as Farnley Hall, in which Carr had a hand and where Turner was entertained, Riddings Park, by an anonymous Regency architect with additions by Chantrell, or Bramham, possibly Thomas Archer's building, with a Temple by James Paine, and lovely gardens, but Harewood House they could not miss. Nor did they wish to miss it, for it drew admirers from near and far from the very start. The splendid residence of the Earls of Harewood is a combination of an eighteenth century original with nineteenth century additions; the original house, which may be seen in a watercolour by Turner, was itself a combination of designs by Carr and Robert Adam and was completed in 1771; the later additions were the work of Barry about 1843. Harewood itself has other features of interest to architects: Carr designed the village, with the pleasing group of houses which fringes the road, the ruins of a Castle stand at the north-east corner of the estate, and within the grounds of the House is the village church, an ancient edifice which did not escape the attentions of Sir Gilbert Scott.

Of the architectural or historic monuments of Leeds itself, the early visitors had not much to say, for the simple reason that there were none to speak of. By 1727 three churches and a few merchants' mansions graced the scene, but little else; how could these meaner beauties compare with the riches of Norwich or Bristol? Leeds was not York, capital of the county, and not even Wakefield, administrative centre for its Riding. Leeds meant business and its coat of arms showed what kind of business: it was a market place for the wool trade. Such actual making of cloths as went on under what is euphemistically styled the domestic system took place on the outskirts: the centre of the borough, though not free from signs of industry, was largely commercial and residential. But at the end of the eighteenth century, when the steam engine came into use and the factory system developed, village industry, if not entirely abolished, gave way to the concentrated industrialism so well known to the economic historian. Industry crowded into the southern part of the town and along the banks of the Aire, with dire effects on the more genial aspects of existence. But for builders and architects it was obvious that expanding trade and rapidly growing population were providing splendid opportunities; buildings of all kinds were necessary, but the question was, of what sort should they be?

From 1806 when the writer of our first *Guide* explicitly stated that the town offered these opportunities, a new Leeds arose on the base of the old, and it will be clear to the most unobservant spectator that it presents a picture of architectural development redolent of the past century and a half. Too late in the nineteenth century it was seen how much damage had been done in the progress of unrestricted competition for profit. In the twentieth century the problem was first to see how sporadic opportunities for amendment could be made use of rather than wholesale replanning be achieved; but in recent years bold action has been taken both in central and in peripheral development.

With so little building of importance taking place in the eighteenth century here, there was hardly much need for a resident architect; when such an expert was required



HOLY TRINITY CHURCH, LEEDS

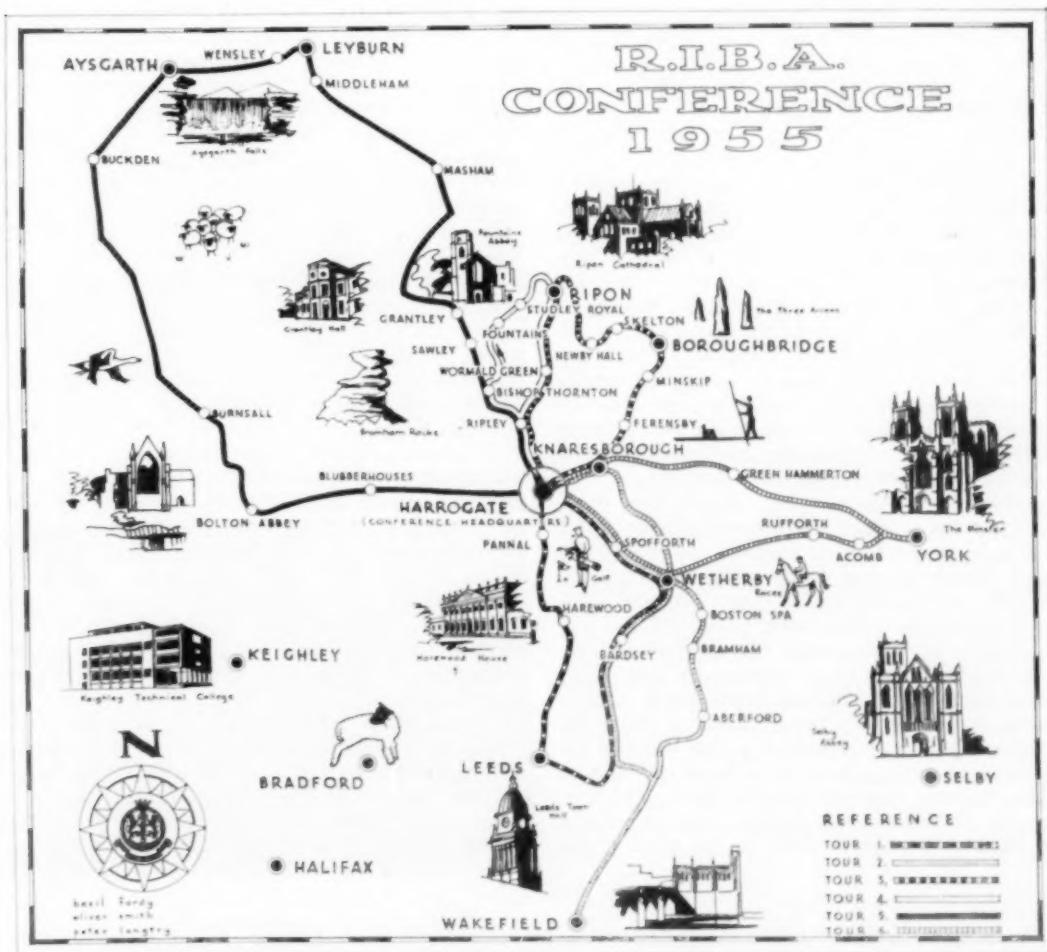
he was sought for elsewhere. Thus the ubiquitous and mysterious William Halfpenny provided the elevation for Holy Trinity, Boar Lane (1721-6), centre of much controversy recently. After an investigation of the church accounts, Mr. R. S. Shapley has come to the conclusion that Halfpenny provided nothing else, for the only payment made to him was a guinea and a half for his drawing, and that not very original. New buildings and additions to Templernewsam and other mansions nearby were in the hands of York architects, the Adams, and others, and garden planning in those of Brown and his fellows. John Carr, of York, is reputed to have built Gledhow Hall for Jeremiah Dixon, and as late as 1768 to have been called in as architect for the Leeds Infirmary, a brick building erected between 1768 and 1771. About a John Battley, said to have worked in Leeds in the late eighteenth century, nothing is known, but a significant line of demarcation is reached when, additions being required to the Infirmary in 1792, they were put in the hands of Thomas Johnson. He is the first resident architect about whom something more than his name is known: with him, as it were, the genealogy of architecture in Leeds begins, which is not the same thing, however, as a local style, a tradition which died out under pressure from those who were friends of every country but their own, as the late Professor Hamilton Thompson claimed. Johnson was not a native of the town, and on arrival in 1787 printed a puff wherein he told how he had been a pupil of Wyatt's and had travelled in Italy and France. As far as is known he remained here for the rest of his life, but specimens of his work are not easy to find. The old Infirmary has long gone, the church of St. Paul's (1791-3), which it is more than probable he designed, was pulled down 50 years ago, and alterations to the old Parish

Church which he undertook in 1792 were swept away by Dean Hook. The Leeds Library (1808), still standing in Commercial Street, is his sole known monument in Leeds.

When he died, about 1814, he left a pupil, L. Ingham, about whom nothing is known, and a younger rival, likewise a pupil of Wyatt's, about whom a great deal is known, Thomas Taylor. He came north about 1805, and after employment in miscellaneous architectural work obtained his first important commission, the Leeds Court House, long since demolished, in 1811; but it was noteworthy when further alterations to the old Parish Church had been needed in 1812 it was Taylor and not Johnson who was employed. From then on, until his death in 1826, he reigned almost supreme in Leeds. His first, and best, church, was a private commission at Liversedge, near Leeds (1812-16), but to him and the other architects who began to flock to Leeds in the first quarter of the new century, it was the Church Building Act of 1818 that presented, or should have presented, a golden opportunity with its consequent series of public commissions. Architecturally the opportunity was largely wasted in Leeds. The eighteenth-century churches had been the rectangular boxes so congenial to an age which frowned upon "enthusiasm," but the new Commissioners' churches, though undoubtedly Gothic in style, were so simple in plan, with the object of containing as many worshippers as possible, all of whom were expected to be able to see and hear all that went on, that they betray few symptoms of an understanding of the true Gothic spirit.

To Taylor himself was allotted St. Mary's Quarry Hill (1823-6), perhaps famous in architectural history as the scene of a *cause célèbre* in which C. A. Busby was involved: it still presents its gaunt tower clear-cut against the sky. His other church in Leeds, St. John's, at Roundhay, was smaller, neater and in a different style, having a spire (1824-6). In the year before his death, 1825, Taylor was one of the two candidates finally selected from a list which contained the names of Barry, Salvin, Chantrell, Goodwin and Clark, for the Leeds Commercial Buildings' competition. By what appeared rather underhand methods, Clark of Edinburgh received most votes. In the same year Taylor denied that he was a competitor for the Leeds Corn Exchange building, saying he was too busy with churches. The two incidents show not only that he was regarded as a competent architect, and incidentally that he was very busy, but that Leeds stood in need of new buildings and that formidable competitors had arrived on the scene.

From a local point of view, the most important of them was R. D. Chantrell, who had already made his mark in the erection of Christ Church, Meadow Lane (1823-6), one of the Commissioners' other churches. He stayed long years in Leeds and provided the town with many good buildings, mostly churches, but including the Philosophical Hall, partly destroyed in the late war. His *magnum opus* in Leeds is the present Parish Church of St. Peter, an edifice which has claimed increased attention from ecclesiologists in recent years because of its grasp of





HAREWOOD HOUSE

### The Architectural Tradition

Gothic principles of planning; the merits this building possesses, and it has not always been held in high estimation, have been rather too exclusively regarded as due to Dean Hook's ideals. While no doubt much of the dignity and character of the church is owing to the Dean, Chantrell is overdue for consideration by the historian not merely in regard to the Parish Church but for his work as a whole in Leeds. Yet he has been so neglected that it is only with the utmost difficulty that the student can trace so simple a fact as the date of his death, let alone compile a full list of his buildings. They include, at Leeds, St. Matthew, Holbeck (1829-32), St. Stephen, Kirkstall (1829), and St. Philip (1845).

John Clark, Taylor's rival, came from Edinburgh and stayed in Leeds about 30 years; his one Gothic building, St. George's (1836-8, restored 1900) has been dismissed as having "a very poor style of mixed Gothic"; his lay work was classical and included not only the Commercial Buildings, now destroyed, but a couple of banks nearby, almshouses, mills, private residences, Airedale Independent College, and the design of Woodhouse Cemetery, of which Mr. Shapley is inclined to have a high opinion. There are also two buildings at Harrogate to his name. Another of Taylor's rivals, Francis Goodwin, is remembered for his design of some Market buildings (1824-7), replaced in 1904 by Messrs. Leemings, but his main work lies elsewhere. The Corn Exchange, also demolished long ago, went to S. Chapman, and was replaced itself on another site by Brodrick in 1861-3. Besides these architects of more than ordinary note, a batch of minor figures remains to be recorded, and it should be mentioned that the great Smirke designed Armley House for Benjamin Gott in 1821 and Rennie the Wellington Bridge in 1817.

Woodhead and Hurst put up many public buildings here and at Wakefield, but no complete list of them has ever been furnished for the student. Watson and Pritchett of York built Queen Street Congregational Church (1823-5) and South Parade Baptist Church (1826), the first a not very distinguished representative of a firm that had the reputation of possessing almost the monopoly of work in Yorkshire, the latter somewhat more dignified. The York architects R. H. Sharp and P. Atkinson were responsible for St. Mark's, Woodhouse (1823-6), the third of the

Commissioners' churches in Leeds. The Roman Catholic architect was J. Child, who designed St. Patrick's, York Road (1831-2), in the fourteenth century pointed style, and built the old St. Ann's Cathedral (1837-8) now demolished. The Methodists employed J. Simpson for the old Oxford Place Chapel (1835).

The new Gothic style was making its mark, but before it got truly under way, the citizens of Leeds were startled by the appearance in their midst of a building which was not Gothic, not classical, not even Christian: the Unitarian manufacturer Marshall commissioned James Combe, of Leeds, to erect a mill in the style of an Egyptian temple (1838-41, 1842-3) with the co-operation of Bonomi. It has long remained a show-piece in Leeds. Gothic took quick and full revenge. In Scott's work it is seen in full flower, but many other Gothicists were hard at work and quite early the influence of Pugin was felt. A church well known to students of the Puseyite movement, St. Saviour's (1842-5), was the work of a little-known pupil of his, John Macduff Derik, while the master himself designed for the Roman Catholic Mount St. Mary's (1853-7) (a church originally planned by J. Hanson and erected by W. Wardell), a chancel and transepts which were seen to completion by his son in 1866. The son built a strange edifice still to be seen at Meanwood and known as The Towers, or Organ House from its odd collection of chimneys, for T. S. Kennedy, the mountaineer, also in 1866. One of the best exponents of Puginism has been held to be J. L. Pearson, who erected St. Margaret's, Horsforth (1877-83), before going on to the splendid church of St. Michael, Headingley (1884-5). Pugin has been called "the author" of Mill Hill Unitarian Chapel (1848), near City Square, but he was not the responsible architect: it was the work of Bowman and Crowther of Manchester, who had designed Gee Cross Street, Hyde, an early, if not the first, nonconformist building to display a new trend in architectural design.

The great Scott began with a modest memorial church to Rev. William Sinclair, in Cavendish Street, St. Andrew (1845), passed on to St. John's, Holbeck (1847), a delightful little church whose disappearance has been much regretted, and provided the larger church, in the Early English style, of All Souls (1876-80). It is to the credit

of Sir Gilbert that he strongly supported Norman Shaw in preventing the destruction of St. John's, Briggate (1634), when the local architects Dobson and Chorley wanted to pull it down in 1864. As for lay buildings, Scott's great memorial is the Leeds General Infirmary, close by the Town Hall, which has, of course, been considerably extended in after years; but the Westminster Bank premises in Park Row, formerly the property of the Becketts, have their admirers. A prolific firm at this period was Perkin and Backhouse. They were originally responsible for the sombre building which looks like, and probably is, a fortress, Armley Gaol (1847), but, in contrast, their chief monuments are a series of modest churches: St. Luke's (1841), Burley Parish Church (1854), St. Peter, Bramley (1861), Hunslet Parish Church (1862) and St. Peter's Hunslet (1866-7), besides alterations to Chantrell's church at Kirkstall (1863-4). Perkin and Bulmer put up St. Cuthbert's, Hunslet, in 1883-4.

Among miscellaneous architects for churches active in Leeds during the same busy period, able thus to work because of Dean Hook's reorganization of the parish, were, for example, William Railton, of London, who designed Holy Trinity, Meanwood; a local architect, Joseph Thompson, who designed Moor Allerton church in the Early English style; W. Butterfield, with the church of St. Thomas, Leylands, a red and black brick building in the Decorated style (1850-1), and C. W. Burleigh with St. Matthew's (1850-1) and the undistinguished St. Michael, Buslingthorpe (1852-3). Jeremiah Dobson, of Dobson and Chorley, was responsible for St. John the Baptist, New Wortley, 1852, and St. Stephen, Burmantofts (Geometric Decorated, 1853-4), while John Dobson, a prolific

Northumbrian architect, built the New Station hotel (1857). In the ecclesiastical style went up the Leeds Grammar School, on a new site near Woodhouse Moor, in 1858-9 to the designs of E. M. Barry. There was a sudden incursion of architects from Bradford: Mallinson and Healey designed All Saints, York Road (1849-50), in the Geometric style; T. H. and F. Healey have the Perpendicular Royal Exchange, Boar Lane (1872), to their credit; and Fairbank yielded St. Barnabas, Holbeck (1854-5).

At this juncture, that is to say, during the third quarter of the century, the names of "Two Leeds Architects" of more than common note make their appearance, Brodrick and Corson, bracketed together by the late Butler Wilson in his account of their careers not because either of them was a native of the place but for the reason that no other architects had previously left behind them such prominent evidence of their work in the city. Brodrick made his entry in 1852 at the age of 30 when he won the competition for the Leeds Town Hall, one of the great monuments of Victorianism; being the first massive public building to be erected in Leeds at that date, it caused great excitement and has never ceased to excite comment since. The state of architecture in Leeds in 1853 may perhaps be gauged from the statement that the London & Liverpool & Globe Insurance Co.'s premises just then completed in Commercial Street, to the designs of W. B. Gingell, of Bristol, were the finest commercial buildings in the town. After the completion of the Town Hall in 1858 Brodrick spent a decade of great industry in Leeds before moving elsewhere, in the erection of residences, public buildings and chapels. Of these the Corn Exchange (1860) and the Leeds Institute (1865) are most striking and reveal the progress of his styles: the former a circular building not seen to advantage in its mean surroundings, the latter an imposing pile in the eclectic Renaissance style. Corson came here as a very young man and stayed for the rest of his life; if his work is only a little less spectacular, there are more specimens of it to be seen. His chief building is no doubt the Palladian Municipal Offices (1878).

Mid-Victorian Leeds was at the height of material prosperity. Its outward appearance was not prepossessing, though it had architectural specimens of all sorts in the best styles of the day: a magnificent Town Hall, some notable public buildings, handsome villas on the outskirts, since gentlemen had given up residence in town, and churches and chapels galore. At the same time civic life was not all that it might have been. The town was rich but it was dirty, and it began to be troubled in conscience about the great social questions of the time. Slums were growing, its streets were narrow and congested, open spaces were almost non-existent. All work and no play began to lose favour as an ideal. Thus opportunities for architects were by no means exhausted: besides the problem of good housing for the labouring classes, which was discussed with much fervour, there ought to have been a great deal of replanning in the town. Business firms had money to spend on the adornment of their premises and Park Row began to be transformed into a brilliant motley of variegated styles, but Leeds long remained *par excellence* a showpiece of back-to-back houses. In the last quarter of the century, attention was perforce directed to education and the arts. From 1872 elementary schools of uninspiring virtue proliferated, but higher education had to wait its turn. In between, the Leeds Parish Church Middle Class



NOSTELL PRIORY  
TEMPLNEWSAM



## Architectural Tradition

School went up in Vernon Road in 1876 to the design of C. R. Chorley. The Yorkshire College, afterwards the University of Leeds, after using makeshift premises in Cookridge Street, obtained the services of Alfred Waterhouse, who had put up the Royal Insurance Co.'s offices in Park Row, and he it was who designed the original new premises on the present site in University Road. Corson had designed a small building for the Medical School in 1865, but to W. H. Thorp was given the task of laying out a new set of buildings: he went on to provide an appendix to Corson's Municipal Buildings in 1887-8.

Ecclesiastical building had gone on with undiminished vigour: in fact it had received a new stimulus through the foundation of the Leeds Church Extension Society. New names make their appearance: T. Shaw, with St. Simon's, above mentioned; the brilliant amateur Lord Grimthorpe, with St. Chad's, a fine church at Far Headingley (1868); J. B. Fraser, of Leeds, with St. Augustine, Wrangthorn, an imposing edifice in the Decorated style (1870-1). One of the most prolific firms was Adams and Kelly, whose designs include those for St. Luke, Beeston Hill (1879), the Church Institute (Early English, 1880), Christ Church, Armley (1869), Holy Trinity, Armley (Geometric Decorated, 1870-2) and restorations at St. Matthew, Holbeck (1885). Kelly and Birchall also had many churches to their name, including St. Agnes, Burmantofts, All Saints, Burley (1885) and the Roman Catholic St. Patrick (1891) which replaced Child's old building. G. E. Street came to restore the Norman church at Adel in 1878, after he had provided the Parish Church with an altar (1872); J. T. Micklethwaite, an antiquary still remembered, designed St. Hilda (1876-81), Early English with stone dressings on brick; Chorley and Connon performed much work both secular and sacred; Walker and Atron gave St. Bartholomew, Armley (1872) its form and provided the later tower; Walford and Pollard, of Bradford, were architects for St. Alban's (1875-6); and from Newcastle came R. J. Johnson to take charge of St. Aidan (1892-4), a church of some distinction in the Romanesque style. The Methodists, who had gone to Messrs. Wilson and Wilcox for their Training College at Headingley (1866-8) owe a great number of their smaller chapels to William Hill; the Baptists owe Burley Road Chapel to T. Ambler; the Congregationalists Newton Park (1887) to Archibald Neill, to which W. H. Harris who built York Road Baptist Chapel, added a church hall in 1870-1. Ambler had also designed New Wortley Congregational Chapel (1876) and is responsible for the Venetian design of the buildings on the south side of Park Square, an oasis otherwise redolent of a dignified and much older tradition. Among secular buildings may be mentioned the Central Post Office, in the Renaissance style, due to Henry Tanner, and the Coliseum, formerly a much frequented abode of amusement, put up in brick and stone by William Bakewell of Leeds.

With the names of a few more architects of eminence, like G. F. Bodley, who designed St. Matthew, Chapel Allerton (1897-1900), and St. Edmund, Holbeck (1903-4); J. H. Eastwood, who replaced the old St. Ann's Roman Catholic cathedral with a new building in 1902-4; Thomas Winn, a contemporary of Ambler; or Bedford and Kitson, the era of modern developments is reached, and they must

be left to other and more able hands to describe. Leeds itself is thus able to offer a grand museum illustrative of what happened to a town caught up in the tide of the Industrial Revolution and powerfully influenced by Victorian taste and ideals. It may not provide the prettiest of pictures, but it exemplifies virtues and vices typical of a modern urban and industrialized society.

Not far beyond its bounds, nevertheless, there remain many examples of an earlier epoch. Templetown and other places have been referred to. Retracing his steps, the traveller would find near Wakefield a work of James Paine, with additions by Robert Adam, in Nostell Priory; Paine, who was but a youth when Sir Rowland Winn, the fourth baronet, commissioned a Palladian mansion, left it unfinished after eight years' work upon it, and it was Adam who was called in by the fifth baronet to finish it: it is still substantially an eighteenth-century house both inside and out. Adam, as has been seen, was also at Harewood and indeed found much employment in the north. Carr's design for Thorne's House, belonging to the Milnes family, might be observed also. At Wakefield itself, no visitor failed to take a look at the Chantry Chapel on the Bridge, but what the earliest travellers saw is not what is to be seen to-day, for it displays one of Gilbert Scott's minor and self-acknowledged tragic mistakes of restoration. The Cathedral has likewise been restored.

In the more populous places at the other end of his journey, the traveller would not have found much of architectural interest before Victorian times. Harrogate is a typical residential and conference town built on the basis of an inland spa. The work of James Clark is exemplified in the Cheltenham Pump Room (1835) and the Victoria Baths, and John Oates, a well-known Yorkshire architect of the day, planned Christ Church (1831), which has had later additions (1860-1). But it is Harrogate's Victorianism that appeals, apparently, to Mr. Betjeman. From Leeds by rail, Harrogate is approached by a fine specimen of railway architecture, a lofty viaduct, and Knaresborough is likewise reached from Harrogate by a similar bridge. Knaresborough itself is redolent of an older day and is alive with curiosities but is a little disappointing architecturally. Round about were mansions like Farnley and Rudding, already mentioned, and Denton Park, and farther away were Newby and the Jacobean Fountains Hall. But in going farther afield the traveller meets monuments which delight the searcher after the Picturesque, for they have the undoubted aura of antiquity about them: medieval castles, ruined, of course, but decently preserved, at Knaresborough itself, Middleham, Skipton, and perhaps best of all at Helmsley; Cistercian foundations in ruins at Rievaulx, where the saintly Ailred once ruled, at Jervaulx, now not much more than a heap of stones level with the ground, but above all at Fountains, one of the best preserved total ruins in England, while at Bolton is a former Augustinian Priory, partly restored for use as a parish church; a medieval cathedral at Ripon, upon which William Railton imposed some alterations about 1845 and dealt with the Bishop's residence in 1838-9 and 1849. At Ripon also are specimens of the work of James Wyatt in the Town Hall (1801), and of Thomas Taylor, at his most average, in Holy Trinity (1826-7).

## W. YORKSHIRE SOCIETY OF ARCHITECTS

***Church  
Buildings***

**I**N the new Church of St. Francis, Fixby, Huddersfield, a dual purpose hall was required primarily for use as a church but which could also be used for social functions. The altar can be screened off by panelled sliding folding doors and the pulpit was designed to be movable. Money for the scheme was limited, but so many of the building components were donated by parishioners that the final cost of the building was well within available resources. The church is built of sandfaced hand-made facing bricks. The roof is of dark brown tiles. Windows are purpose-made metal sections in wood sub-frames. A limited amount of garden work was included in the price and comprised paths and steps; other gifts are now enabling more extensive garden works to be planned. Architects: Abbey & Hanson. General contractors: Lister Brook & Co., Ltd., Brighouse, Yorks.

\* \* \*

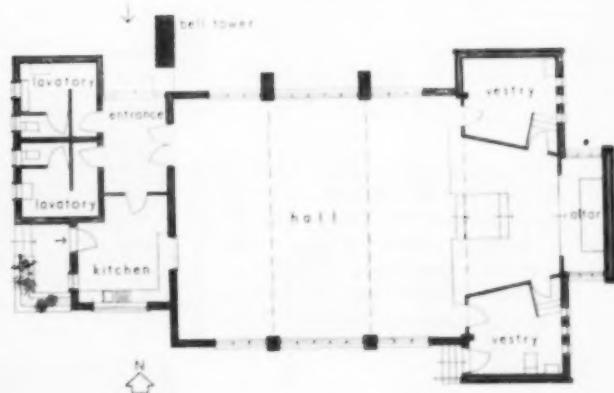
The Mortuary viewing chapel illustrated on this page is by the same architects and is part of the new extension to the Staffordshire General Infirmary's Orthopaedic Department illustrated on another page.

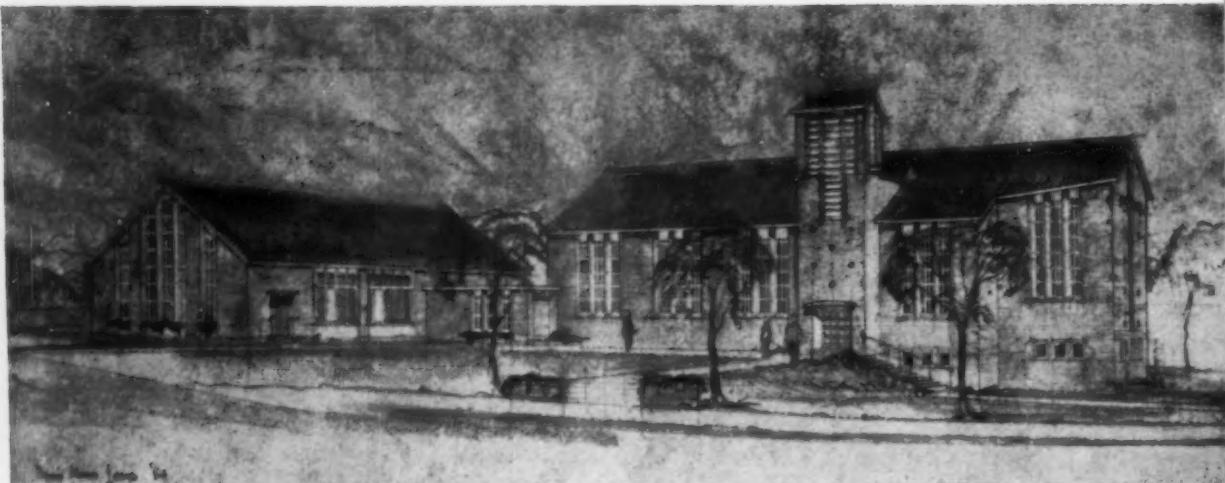
**MORTUARY CHAPEL**

ST. FRANCIS CHURCH, FIXBY, HUDDERSFIELD



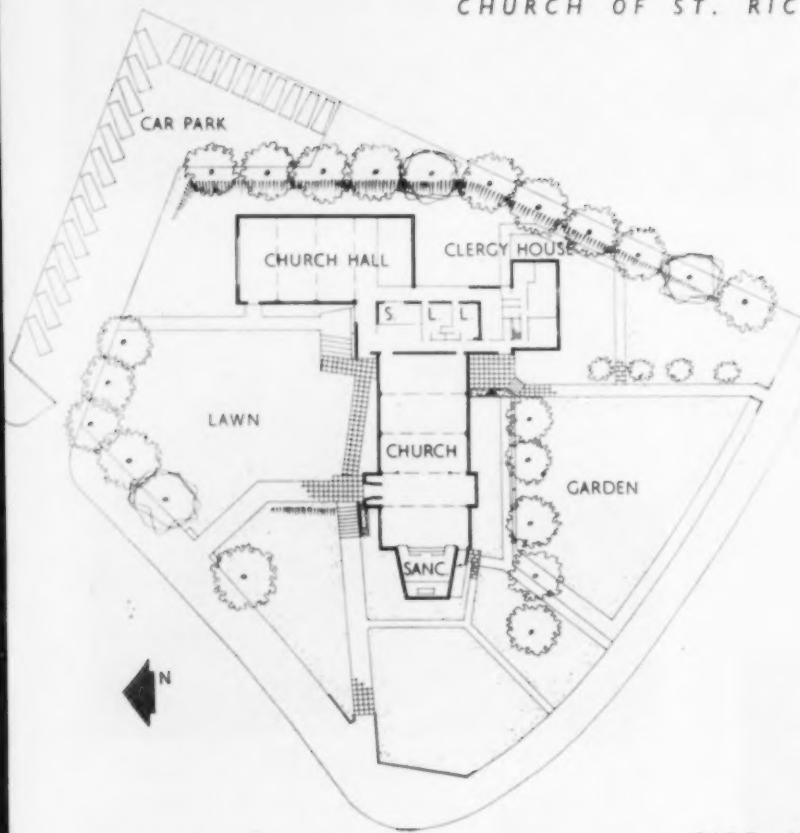
PLAN, SCALE: 1in = 20ft





CHURCH OF ST. RICHARD, SEACROFT, LEEDS

### ***Church Buildings***

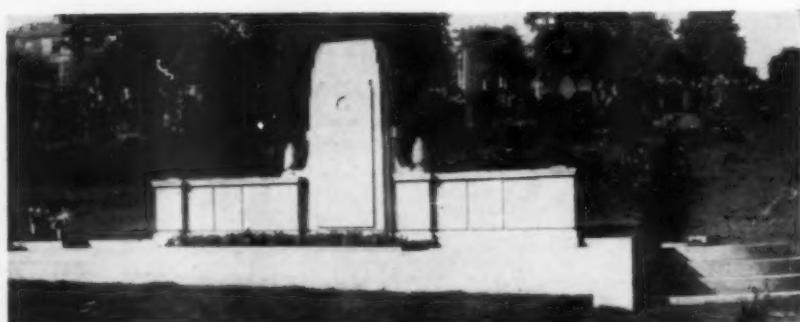


PLAN OF CHURCH

SCALE: 1 in = 64 ft

The Huddersfield Fire memorial was erected in 1952 by public subscription in memory of 57 victims who died in a local warehouse fire. The memorial is constructed of local stone by Messrs. Norman Jury, of Huddersfield. Architect: Norman Culley, F.R.I.B.A.

FIRE MEMORIAL, HUDDERSFIELD

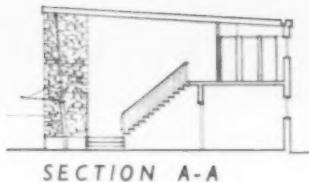


The scheme for the Church of St. Richard, Seacroft, Leeds, is to be developed in two stages. The first stage is for a dual-purpose church to seat 300 people with cloakrooms which can also be used for the second stage, the parish hall. The clergy house is included in the final plan.

The slope of the site allows for the vestries, chapel and store on the lower ground floor.

Work on the church will shortly commence. The estimate for the work is approximately £15,000. The construction will be steel frames on 16ft centres with brick cavity wall infilling. Roof will be covered with pantiles; the floor will be granwood. Heating will be by means of Pyrotenax electric floor wiring to be used in off-peak periods. Architects: Jones and Stocks, of Leeds.

## Commercial & Industrial



SECTION A-A

**A** NEW showroom for the North Eastern Gas Board was opened at Morley, Yorks, on April 17; the work having taken just a little over three months to complete. The showroom is built the full width of the available land in front of the existing Gas Board Workshop, so that the new premises now give a complete service to consumers in addition to uniting the whole of the Board's activities on one site in the main shopping street of Morley.

The construction makes use of load-bearing walls in conjunction with a steel frame. The stonework is 7in thick with a 3in cavity and backed with cellular load-bearing clinker concrete blocks. The first floor is constructed

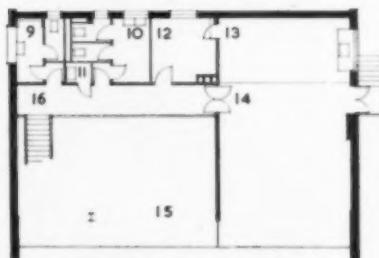
in precast concrete beams screeded and finished with lino. The roof is felt on 2in insulation board supported on prefabricated timber units spanning between the R.S.J.s and load-bearing flank walls, the maximum span being 20ft. The canopy over the main entrance door is in armour plate glass and a gutter is formed in the glazing to drain away rainwater from the canopy and the glass immediately over the main entrance. The whole of the building is heated by the Radiation Group Sales whole house warming plant; and floor registers immediately behind the large windows help to prevent condensation. Architects: J. G. L. Poulson, L.R.I.B.A., of Pontefract. General Contractors: William Irwin



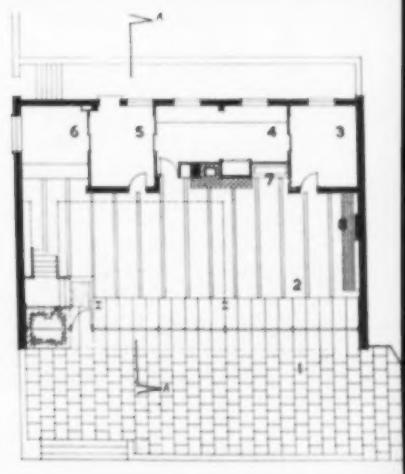
NORTH EASTERN GAS BOARD SHOWROOM

## KEY

- 1 Paved forecourt
- 2 Showroom
- 3 Manager's room
- 4 General office
- 5 Collectors' room
- 6 Accounts
- 7 Display for water heaters
- 8 Display for grates and gas fires
- 9 Male toilet
- 10 Female toilet
- 11 Cleaners' cupboard
- 12 Demonstrators' room
- 13 Demonstration platform
- 14 Demonstration room
- 15 Upper part of showroom
- 16 Gallery



FIRST FLOOR PLAN



GROUND FLOOR PLAN

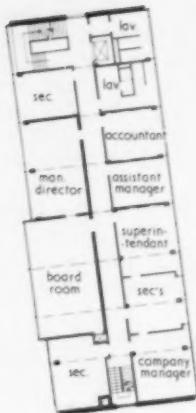
## Commercial & Industrial

and Co., of Leeds. The contract price

\* \* \*

was approximately £13,000.

The seven-storey office block for George Mann, Ltd., in Hunslet, Leeds, includes a works extension of 40,000 foot super and a canteen for the printing works. The office block is steel framed and is designed with a curtain wall. The panels between the windows will be of Vitroslam faced in light grey and red Plyglass. The total estimated



PROPOSED SHOP IN LEEDS

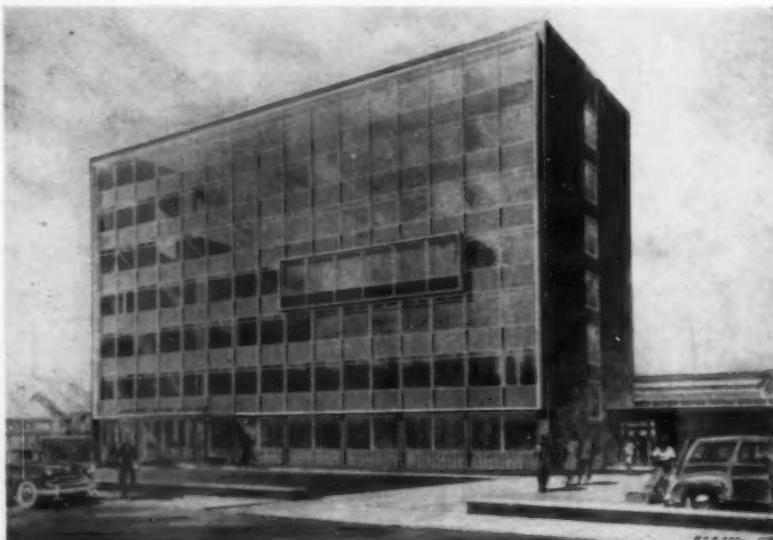
OFFICE BLOCK, LEEDS  
FOR GEORGE MANN LTD  
PLANS. SCALE: 1in = 40ft



cost is £200,000. The building will be air conditioned; bright colours will be used both inside and outside. Architects: J. G. L. Poulson, of Pontefract.

\* \* \*

Work is ready to commence on the reconstruction of Timpson's existing premises in Leeds, part of which dates back to the 17th century. The new building is situated in the busiest shopping street in the city. The new building will be steel framed and faced with warm grey quartzite, with marble surround to the windows and to the main centre of the shopfront. The large first floor window is formed in four sheets of bonded plate glass. The fascia is in golden Travertine slab; the shopfront is in bronze. Architects: J. G. L. Poulson, of Pontefract.



One of a number of self-service launderettes designed by the architect, E. Austen Johnson, A.R.I.B.A., for the Northern Self-Service Launderettes, Ltd., the general contractors for the conversion were G. Haley & Co., Ltd.

\* \* \*

The requirements of Holset Engineering, Ltd., were for a new workshop and stores together with offices, drawing office, board room and all ancillaries. The main production area comprises two portal-framed bays with a double storey connection between housing stores and works offices; each production bay is fitted with overhead cranes and the production layout is planned to a U-shaped sequence around the central stores.



BEFORE



AFTER

LAUNDERETTE CONVERSION



HOLSET ENGINEERING WORKS

The production area has natural lighting from patent glazing in the roof and from large windows in the gables. The roof is covered with Ruberoid, insulated steel decking and the inside of the production space is painted in pastel shades, walls ivory, steelwork blue, cranes yellow and all service pipes in their B.S.S. colours.

The office block is in coursed local stone with purpose-made metal windows and glass brick infilling. Piers are tiled with soft green Dutch ceramic tiles and the entrance screen is in teak with Pilkingtons armourplate glass doors, the handles of which are miniatures of the clients' product. The entrance canopy is of Lenscrete faced with teak and the signs are stove-enamelled metal letters on teak back-plates.

BOARD ROOM

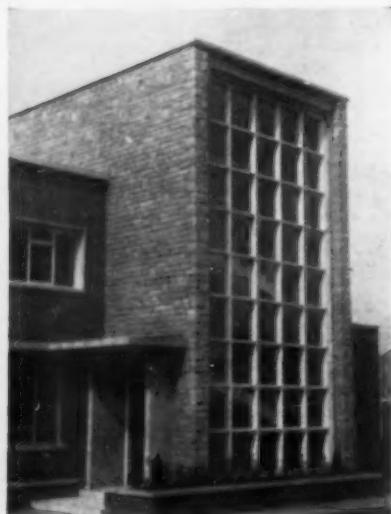


**Commercial  
& Industrial**



HIGH STREET, HUDDERSFIELD

Part of the central area reconstruction scheme for Huddersfield includes office buildings in the High Street. In the scheme illustrated, the ground floor and basement are shops and the upper floors are offices occupied by the Borough Architect, Town Planning and Borough Engineer's Department. General contractors and suppliers of stone work were Johnson and Sons (Mirfield), Ltd. Architect: Norman Culley, F.R.I.B.A., of Huddersfield.



FACTORY PREMISES, SOUTH KIRBY

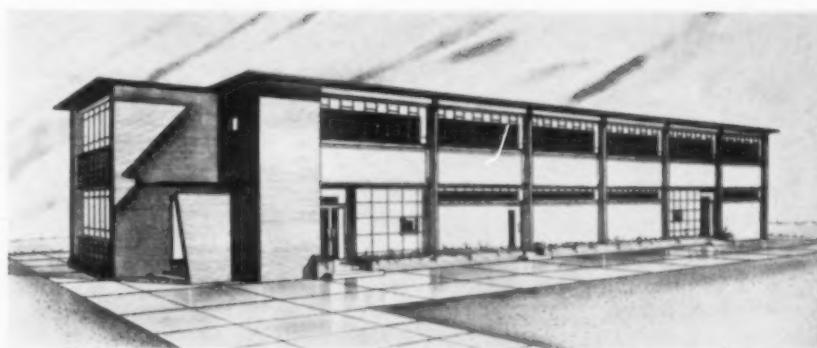


GROUND PLAN SCALE: 1 in = 32 ft

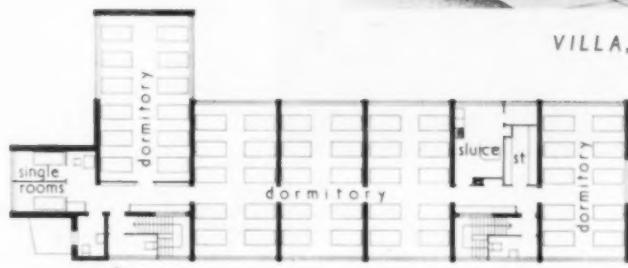


This factory for Henry Freedman, Ltd., at South Kirby, Yorkshire, was opened for production last year. The factory manufactures rainwear. Architect: G. Alan Burnett, A.R.I.B.A. General contractor: Higgs & Hill, Ltd.

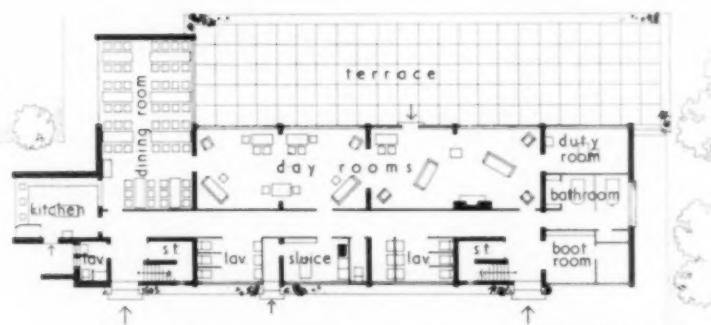
## Hospital Buildings



VILLA, WESTWOOD HOSPITAL, BRADFORD



FIRST FLOOR PLAN

GROUND FLOOR SCALE: 1 in = 32 ft  
THEATRE SUITE, ST. LUKE'S HOSPITAL

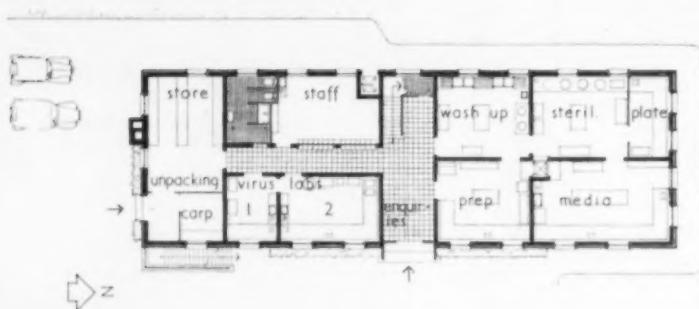
THE two-storey villa at Westwood Hospital, Bradford, is for 54 ambulant male low-grade mentally deficient patients. The proposal is part of the National Mental Health programme and a further stage in the development of the Westwood Hospital. This is the fourth new building to be started on the site within two years. The construction is a light reinforced concrete frame with precast reinforced concrete floors and roofs. The cavity wall cladding is of brickwork. Finishes are stucco rendering and faience. General contractors: J. J. Obank and Co., Ltd., Idle, Bradford. Consulting engineers: Ernest Griffiths and Son. Quantity surveyors: Rider Hunt and Partners. Architects: R. B. Armistead, F.R.I.B.A., in association with P. B. Nash, A.R.I.B.A., architect to the Leeds Regional Hospital Board.

\* \* \*

A Theatre suite for the St. Luke's Hospital, Huddersfield, supersedes the previous scheme prepared by the same architects for a 100-bed Twin Theatre Surgical Unit. Restrictions on capital allocation to the Leeds Regional Hospital Board made it necessary to modify the scheme which is being carried out to relieve pressure of acute surgical cases on the existing hospital facilities until a start is made with a complete new hospital. The suite comprises a large theatre with bays off for sterilizer and scrub-up, anaesthetic, trolley scrub and sluice. Theatre sister, surgeons' and nurses' changing rooms are provided, with mobile diagnostic X-ray unit complete with Dark Room. General contractors were Castle Cookson and Co., Ltd., Brighouse. Architects: Joseph Berry and Sons, Huddersfield.



NEW WARD BLOCK, SUTTON HOSPITAL, HULL



TYPICAL PLAN

SCALE: 1 in = 32ft

PUBLIC HEALTH LABORATORIES, SEACROFT HOSPITAL



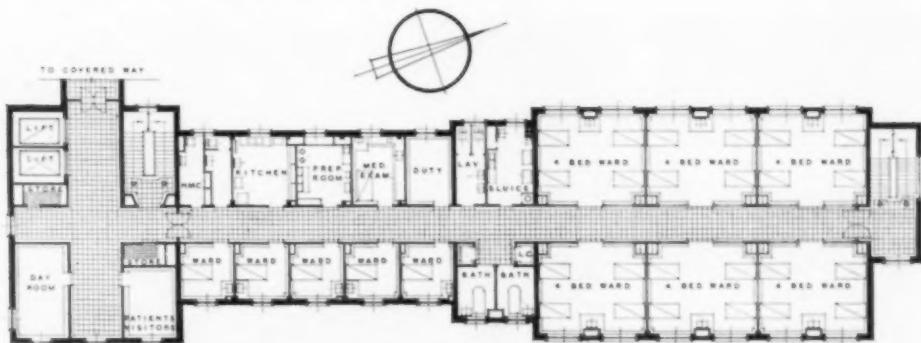
## Hospital Buildings

A new ward block has recently been completed for Sutton Hospital, the Hull Royal Infirmary. The ward block consists of 116 beds on four floors with stores below and day room, etc., above. All wards have four beds or have a single bed.

The block is of steel-framed construction with pre-stressed concrete floors. External cavity walls are faced with Ibstock multi-red rustic facings and with 3in thick internal clinker slabs. Floor finishes generally are mahogany woodblock, rubber tiles in corridors and red tiles in kitchens and toilets. The building contract cost approximately £1,400 per bed. General contractors: Spooners (Hull), Ltd. Architects: P. B. Nash, A.R.I.B.A., architect to the Leeds Regional Hospital Board; R. Mellor, F.R.I.B.A., former architect to the same board; senior architect: H. C. Weegman, A.R.I.B.A.

\* \* \*

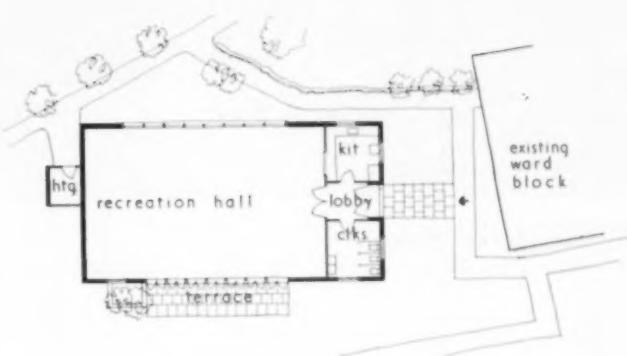
The Public Health Laboratory at Seacroft Hospital, Leeds, is for the Medical Research Council. The construction is traditional with brick walls, slate roof and metal purpose made windows. Floors are mainly finished in Granwood and asphalte; reinforced concrete staircase is finished with Terrazzo and the balustrading is of metal. All services are run in internal ducts. The foundation to the new building is an 18in reinforced concrete raft. The building cost approximately £45,000 and was built by Robert R. Roberts, Ltd., of Leeds. Architects:



TYPICAL  
PLAN,  
WARD  
BLOCK,  
SUTTON  
HOSPITAL  
SCALE:  
1 in = 32 ft

P. B. Nash; R. Mellor, Assistant architect in charge: A. Kilner, A.R.I.B.A.

The Patients' Recreation Hall, Tilworth Grange, Sutton, is a single storey building with ancillary accommodation including a kitchen. The construction is in Spooner Standard Units which incorporate 4½in external brick cladding, 1½in cavity with bituminous board lining and ½in plasterboard facing over 3in timber framing. The roof construction consists of pre-



PATIENTS' RECREATION HALL, TILWORTH GRANGE



## Hospital Buildings

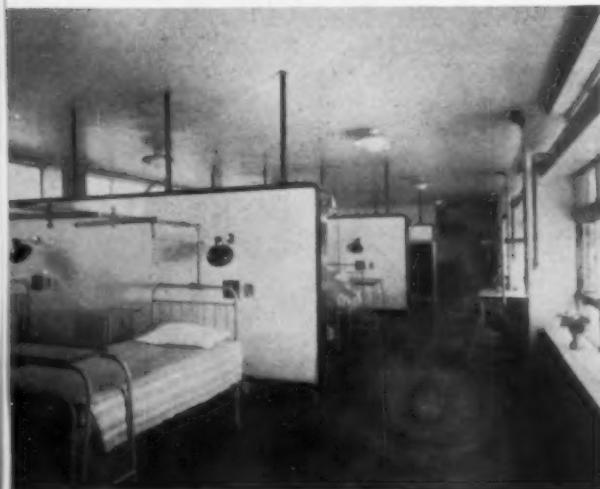
fabricated timber trusses to a 22° pitch covered externally with asbestos tiles; the ceiling consists of plasterboard panels with 1in fibre-glass top insulation. Heating is provided by an "Afos" Breeze Burner for low-grade fuel with fan and automatic air modulating damper connected to ductwork.

Floor finishes are main hall, "Semitex" tiling; entrance lobby and ancillary accommodation, quarry tiles. The cost (including site works) was £4,150. Cost per ft cube 2s 10d; cost per ft super, 46s. Building time: 3 months. General contractors: Spooners (Hull), Ltd.

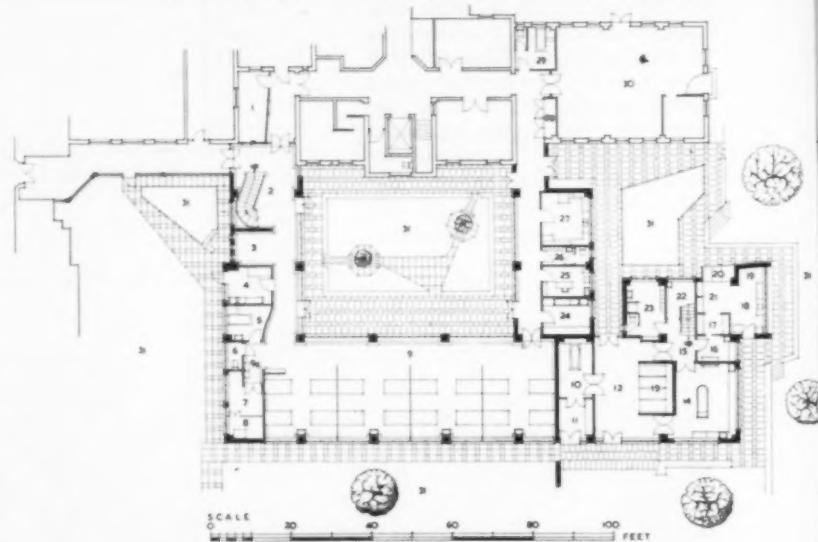
The extension to Staffordshire general infirmary for the Birmingham Regional Hospital Board includes a new 16-bed ward for male orthopaedic cases and a suite of laboratories for the department of pathology.

The construction is a reinforced concrete frame with brick external walls faced with hand-made golden brown brickwork. The foundations had to be piled to a depth of 35ft. Architects: D. A. Goldfinch, F.R.I.B.A., architect to the Birmingham Regional Hospital Board in association with Abbey and Hanson. General contractors: W. J. Simms, Sons and Cooke, Ltd. Key to ground plan: 1, Sec. to X-ray dept.; 2, Main entrance hall; 3, Waiting

TYPICAL WARD



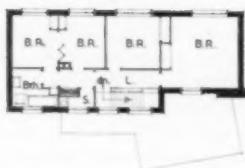
EXTENSION STAFFORDSHIRE INFIRMARY



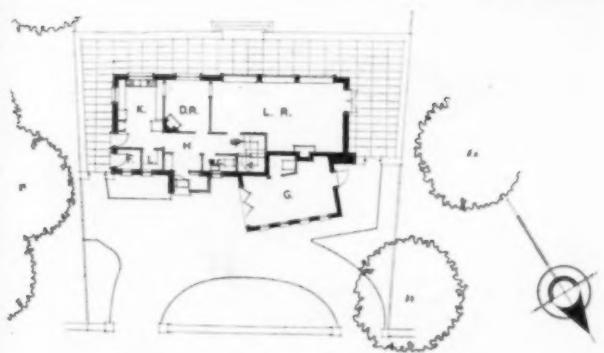
LABORATORY



**Private  
Houses**



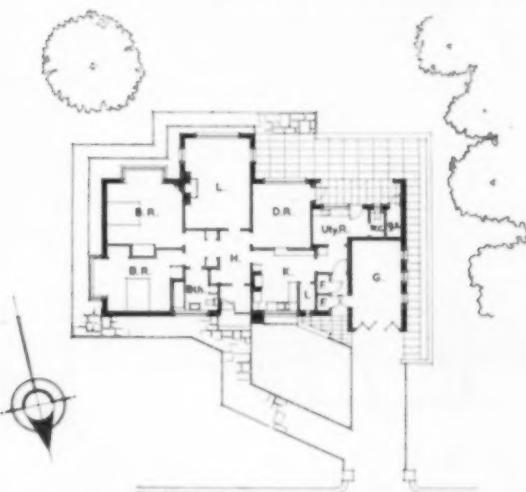
HOUSE, PARK DRIVE, HUDDERSFIELD



space; 4, Sluice room; 5, Patients' bath-room; 6, Lavatory; 7, Appliance room; 8, Elect. dist. room; 9, Ward; 10, Chapel; 11, Relatives' waiting room; 12, Body store; 13, Refrigerated cabinet; 14, Post-mortem room; 15, Hall; 16, Animal dissecting room; 17, Inoculated animals; 18, Wash up; 19, Fodder store; 20, Animal cages; 21, Animal house; 22, Cleaners' store; 23, Pathologists' changing room; 24, Sluice room; 25, Duty room; 26, Staff lav.; 27, Kitchen; 28, Linen store.

THESE two private houses were both designed by architects Abbey and Hanson.

The house in Park Drive, Huddersfield, was designed to accommodate the client, his wife and their two children; the maximum floor area of 1,500 sq ft was allowed in order that four bedrooms could be provided.

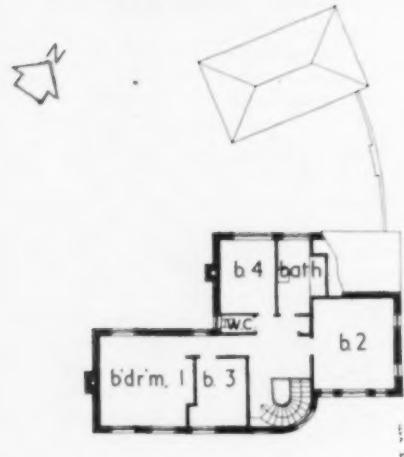


NATHAN THORNTON BUNGALOW





HOUSE, LEEDS



PLANS, SCALE: 1 in = 24 ft



ARCHITECT'S OWN HOUSE, DEWSBURY



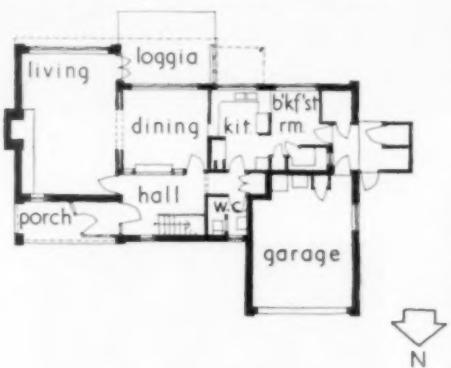
HOUSE, HUDDERSFIELD

**Private Houses**

The Nathan Thornton bungalow is on the south side of a private service road with a bluebell wood on the north and extensive meadow and farmland to the south. The area of the bungalow is 1,300 sq ft excluding the garage. The construction is of traditional materials with plinth and chimneys of Crosland Hill stone laid to random courses with 2½in sand-faced golden brown facing bricks elsewhere. The roof is of dark brown interlocking tiles. A double glazed picture window in the lounge overlooks a spacious garden and the farmland beyond to the south.



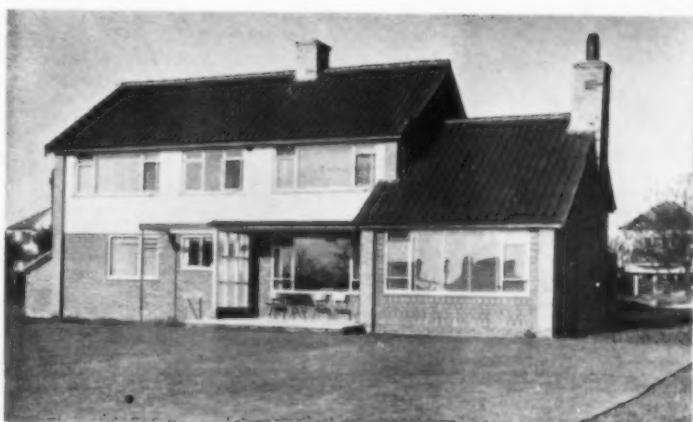
ARCHITECT'S HOUSE PLANS



The houses on these two pages illustrate interesting examples of contrast. The house at Leeds with semi-circular staircase and long staircase window and the architect's own house at Leeds illustrated on this page were designed by Basil Z. Gillinson, A.R.I.B.A., and were built by the same builder, Hartley Lund, Ltd., of Leeds. The former house has a Green Hardrow slate roof; the latter is heated by Radiations whole house warming, has overhead garage doors and built-in cupboards in bedrooms. Views of the dining room and living room are illustrated.

The architect's own house at Dewsbury is 1,500 sq ft in area and the positioning of the house on the site was both difficult and limited. The house was designed by H. W. Curry, A.R.I.B.A. (Smith and Curry), of Heckmondwike. General contractors: A. C. Smith of Dewsbury.

The house at Huddersfield is situated in the best residential area of that town with fine views to south. The house is built in Crosland Hill stone with a Westmorland slate roof. It is centrally heated by an automatic Janitor coke-fired boiler. Architects: Joseph Berry & Sons. General contractor: Horis Stringer.



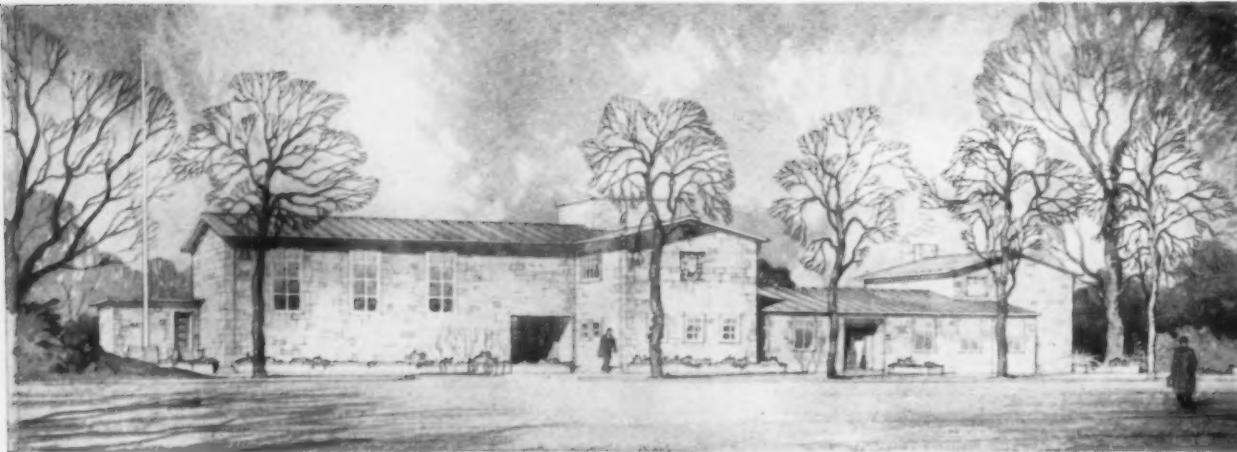
ARCHITECT'S OWN HOUSE, LEEDS



LIVING ROOM

DINING ROOM





GISBURN COURT HOUSE

### **Police Buildings**

THREE most interesting building schemes for the police are illustrated.

The Gisburn Court House is still a project; a scheme to provide police station, court house and house for police sergeant in a rural area. The building will be constructed almost entirely of local stone. Architect: Hubert Bennett, West Riding of Yorkshire County Architect.

\* \* \*

The detective-training school, Wakefield, in the West Riding Constabulary, is by the same architect. The establishment which is sponsored by the Home Office trains detectives from all parts of the world. The new building is an addition to the existing college and will accommodate another 75

trainees. The construction is load-bearing brickwork. General contractors: M. J. Gleeson, Ltd., Sheffield. Contract price: £26,000

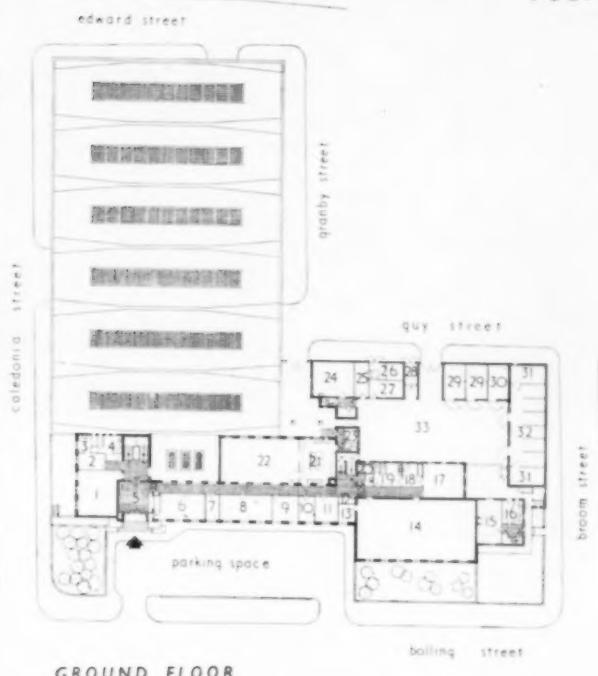
\* \* \*

A police traffic headquarters is under construction at Bradford. The accommodation includes garage, stabling for the mounted section and provision for training recruits. The administration block is built with load-bearing brick walls, and precast prestressed concrete beams in floors and roof. The garage roof is of shell construction. Architect: W. C. Brown, F.R.I.B.A., City Architect, Bradford. Deputy City Architect, L. A. J. Heywood, A.R.I.B.A. Structural work: W. J. Simms, Sons and Cooke, Ltd. Contract price: £120,821.

DETECTIVES' TRAINING SCHOOL, WAKEFIELD



## POLICE TRAFFIC BRANCH HEADQUARTERS



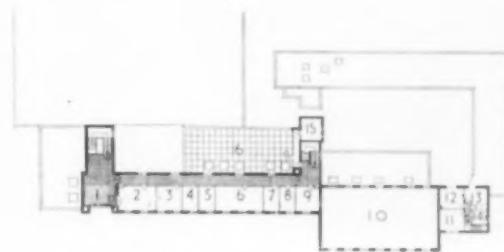
- |                          |                                 |                   |                       |
|--------------------------|---------------------------------|-------------------|-----------------------|
| 1. Constables' rest room | 11. Superintendent room         | 22. Canteen       | 9. Band room          |
| 2. Women's rest room     | 12. Clothes store               | 23. Store         | 10. Choir store       |
| 3. Female toilet         | 13. Gym. store                  | 24. Harness room  | 11. Band room         |
| 4. Male toilet           | 14. Lecture rooms and gymnasium | 25. Food prep.    | 12. Upper part garage |
| 5. Entrance hall         | 15. Living room                 | 26. Fodder        | 13. Joiners' shop     |
| 6. Gen. office           | 16. Kitchen                     | 27. Bedding       | 14. Store 1           |
| 7. Interview room        | 17. Changing room               | 28. Manure        | 15. Store 2           |
| 8. Sergeants             | 18. Showers                     | 29. Pinfold       |                       |
| 9. Inspectors            | 19. Male toilet                 | 30. Isolation box |                       |
| 10. Chief inspector      | 20. Office toilet               | 31. Loose box     |                       |
|                          | 21. Kitchen                     | 32. Stalls        |                       |

**BASEMENT**

1. Car pound
2. Car spraying bay
3. Workshop
4. Washing bay
5. Toilet and changing
6. Office
7. General store
8. Batteries
9. Petrol store
10. Coffin store
11. Garage
12. Electric meters
13. Lost property store 1
14. Lost property store 2
15. Lost property store 3

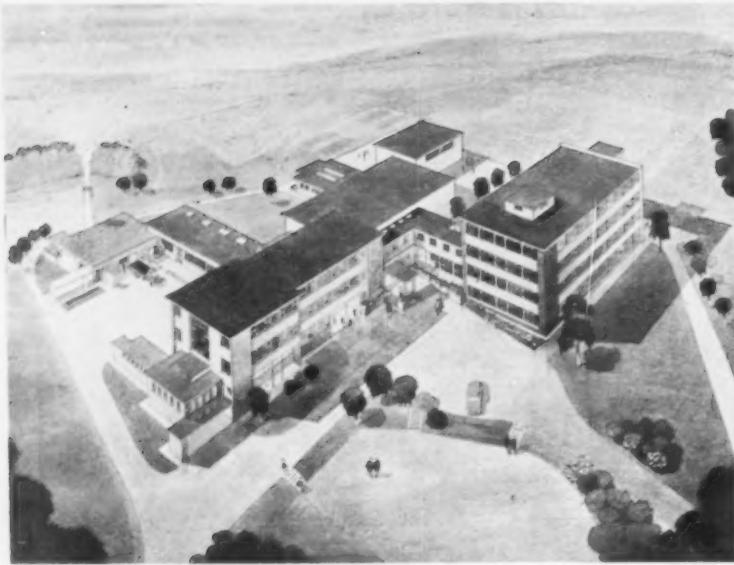
**LOWER GROUND FLOOR**

- |                           |                       |
|---------------------------|-----------------------|
| 1. Operations room        | 9. Band room          |
| 2. Radio stand-by control | 10. Choir store       |
| 3. Storage space          | 11. Band room         |
| 4. Drying room            | 12. Upper part garage |
| 5. Boiler house           | 13. Joiners' shop     |
| 6. Ashes                  | 14. Store 1           |
| 7. Fuel bunker            | 15. Store 2           |
| 8. Pump room              |                       |

**FIRST FLOOR**

- |                             |                        |
|-----------------------------|------------------------|
| 1. Road safety display area | 10. Upper of gymnasium |
| 2. Road safety              | 11. Bedroom 1          |
| 3. Drawing office           | 12. Bedroom 2          |
| 4. Store                    | 13. Bedroom 3          |
| 5. S.C. records             | 14. Bathroom           |
| 6. Special constables       | 15. Gas chamber        |
| 7. Sta. store               | 16. Terrace            |
| 8. Training office records  | 17. Tank room          |
| 9. Training officers        |                        |





BUTTERSHAW SECONDARY MODERN, BRADFORD



J.M.I., OTLEY

Buttershaw secondary modern school is a five-form entry mixed secondary school under construction for 750 pupils. Accommodation comprises house, teaching, practical, administration, assembly hall and gymnasium blocks. The structure is mainly steel framed, using "Presweld" form of construction with wall cladding slabs and precast floor slabs. Administration and practical block is in traditional load-bearing brick and stone cavity walls with precast roofing slabs. Architect: W. C. Brown, city architect of Bradford. Deputy city architect: L. A. J. Heywood. General contractor: Henry Boot and Sons, Ltd. Contract sum: £225,077.

## Schools

The junior mixed school at Otley was completed in 1952. The school is built on a sloping site with load-bearing brick walls and Dunbrik facers. It is for 320 children. Architects: Jones & Stocks, of Leeds. General contractors: Messrs. Tom Smith, of Otley. Contract price: £55,273.

★ ★ ★

Elland county infants' school for the West Riding of Yorkshire education committee is built on the north slope below Elland Edge. The immediate setting of the school is softened by extensive planting, and the straw-thatch colour of the brickwork is enhanced by snecked walling in local ironstone. The school itself is compact with central administration and services. Architects: Joseph Berry & Sons. General contractor: Henry Boot & Sons, Ltd., Sheffield.

★ ★ ★

Allerton Grange secondary modern school has been designed as a four-form entry mixed secondary school for 600 pupils. The school is planned on an 8ft 3in grid and is built for the most part in "Presweld" construction. The assembly hall is a traditional steel frame structure. Architects: R. A. H. Livett, O.B.E., A.R.I.B.A., city architect, Leeds. Deputy city architect: P. B. Haswell, A.R.I.B.A. General contractor: The Butterley Co., Ltd.,

## ELLAND COUNTY INFANTS





ALLERTON GRANGE SECONDARY, LEEDS



SPENBOROUGH HIGHTOWN, LIVERSEDGE

Ripley. Contract sum including site-work: £173,282.

\* \* \*

Spenborough Hightown school is a junior primary for 320 pupils and is neighbouring on Windy Bank housing estate. The district is built extensively in stone with stone slate roofs. The school, which was completed in 1953, has cement rendered walls with some stone dressings; built-up roofing to flat and barrel roofs, but red cedar shingles on pitched roofs on the classroom wing. Architects: William Tocher, A.R.I.B.A., in association with Hubert Bennett, F.R.I.B.A., West Riding county architect. General contractor: Messrs. Robinson and Crowther, Cleckheaton.

\* \* \*

Brookfield infant school is a two-form entry mixed infants' school for 240 children, comprising teaching, assembly-dining hall and administrative blocks and kitchen. It was completed in 1953. The construction consists of load-bearing brick walls with prestressed concrete slabbing to roofs generally. Assembly hall roof is in light steel trusses with sheet metal decking. The elevations are in sand

BROOKFIELD INFANTS, BRADFORD



## Schools

faced rustic bricks, with artificial stone dressings. Architects: W. C. Brown, city architect of Bradford. Deputy city architect: L. A. J. Heywood. General contractor: Leedsford, Ltd., Bradford. Contract sum: £40,827.

Rawdon junior school replaces a Gothic school burnt down in 1951. The new school is of traditional construction and is largely built of stone. It cost £136 per place.

The West Riding classrooms were designed to meet a demand for easily demountable classrooms which could be taken down and erected elsewhere, as and when required. The construction throughout is of timber, and the design is based on a 4ft module. There are many types of standard panel, which are interchangeable. The carcase can be put up in about six hours; and the whole assembly, including finishes, sitework and heating, in about 10 days. A single classroom costs between £2,300 and £2,500 complete, and double classrooms £4,000 complete.

Ilkley infants' school is a four-class entry school which was built entirely of Yorkshire stone. A high standard of internal finish has been obtained in this school.

The architect for this school, Rawdon school and the West Riding classrooms is Hubert Bennett, West Riding of Yorkshire county architect.

ILKLEY INFANTS' SCHOOL, YORKSHIRE



RAWDON JUNIOR AND INFANTS' SCHOOL



WEST RIDING CLASSROOMS



## Technical Colleges & Municipal

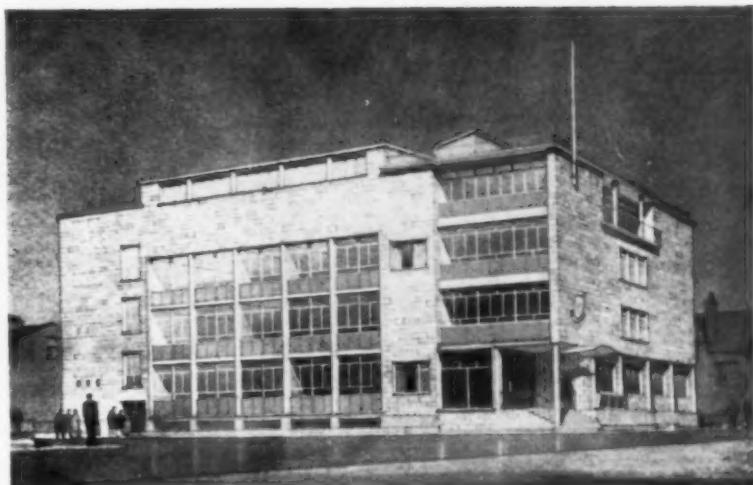
THE new engineering block, Keighley Technical College for the West Riding County Council, is built on an island site on one side of the town hall square. Keighley, which the college serves, is a mill town. Accommodation generally is for various branches of engineering. The building is a steel frame structure, and Yorkshire stone is to be largely used for the external facing. Work commenced 18 months ago, and the building will be completed in about another 14 months. Architect: Hubert Bennett, County architect, West Riding. General contractor: H. V. Robinson, Ltd., Keighley. Contract price £136,000.

\* \* \*

A new theatre is under construction for the West Riding County Council at Bretton Hall College of Music, Art and Drama. The college is a teachers' training college and the theatre will serve as an experimental theatre, gymnasium and an auditorium for rhythmic dancing. The site is English parkland and the theatre is connected to the existing buildings by an existing colonnade with free standing stone columns. Architect: Hubert Bennett. General contractor: County Works Department. Cost will be approximately £30,000.

\* \* \*

The County Architect has also

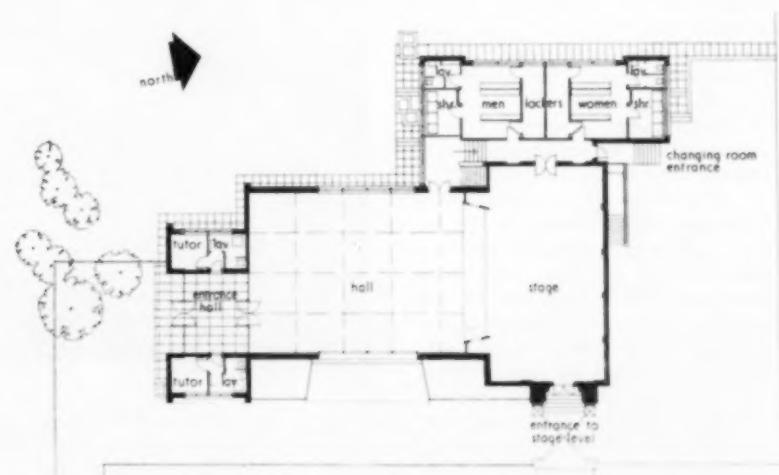


NEW ENGINEERING BLOCK  
KEIGHLEY TECHNICAL COLLEGE



NEW THEATRE, BRETTON HALL

BRETTON HALL  
NEW THEATRE  
PLAN.  
SCALE: 1 in = 40ft



## Technical Colleges & Municipal

designed for his department of the County Council, a new headquarters at Wakefield. The building has been specially designed for architects' offices and accommodation for training, administration, plan storage, and a canteen is included. The illustration shows the main entrance with the canteen building on the upper floor at the end.

Todmorden Technical College for the West Riding County Council, another design by the county architect's department, is now completed and will be officially opened fairly soon. The college will give instruction mainly in weaving, spinning, building and engineering technology. The building is a steel-frame structure and the foundations are on piles because of its situation in an old glacial valley. Contract price including sitework, £150,000.



COUNTY ARCHITECT'S OFFICES



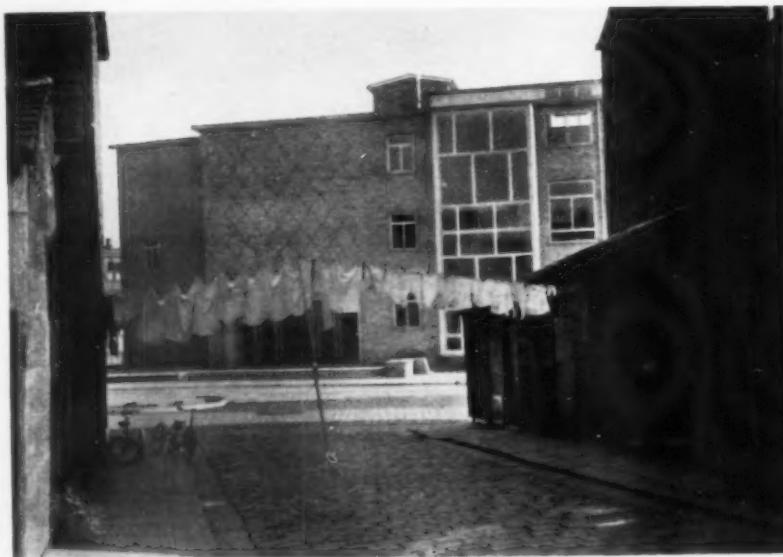
TODMORDEN TECHNICAL COLLEGE

## Housing

**M**OORFIELD housing estate, Leeds, illustrated on page 669, provides mixed accommodation. The development was planned on a site in a residential district of Leeds, and comprises a large house, called "Moorfield House," with extensive grounds. The house was purchased as a hostel, and the grounds have been developed into an estate with a bias towards the needs of old people.

The development centres around a large new hostel building for 52 old men and women with a group of semi-detached dwellings comprising one- and two-bedroom flats for old persons, two- and three-bedroom dwellings for families, and a three-storey block of flats for single women. The existing "Moorfield House," which is at the top of the site has been converted into a hostel for 34 old men.

The accommodation in the Brackenhurst hostel takes the form of single



and double bed-sitting rooms, with a central unit of public rooms. There is also a Warden's flat and staff rooms. Ageing persons' flats are in blocks of

four flats, two on each floor. Flats for single women comprise single bedrooms, kitchenette and bathroom—four to each floor of a block. Family



TWO-PERSON FLATS, MOORFIELD



FLATS FOR SINGLE WOMEN

houses are two-and three-bedroomed.

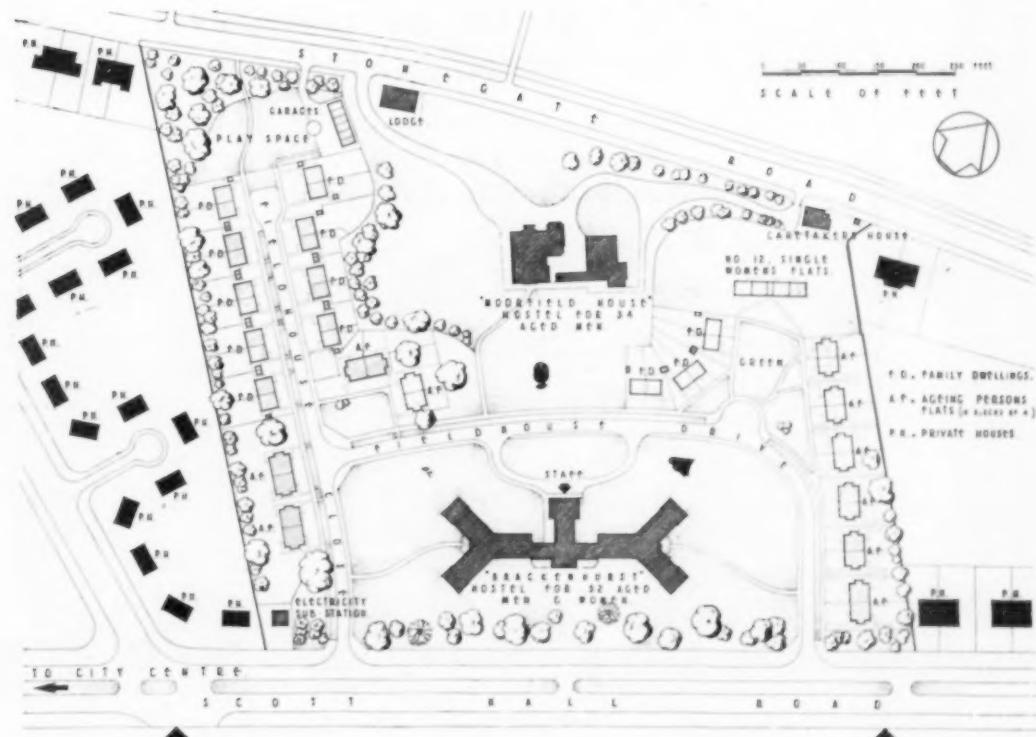
The construction throughout is traditional, with brick and tile finishes externally. General contractors: Messrs. West & Sons (Leeds), Ltd. Architect: R. A. H. Livett, O.B.E., city architect of Leeds. E. B. Haswell, A.R.I.B.A., deputy city architect.

\* \* \*

Ireland Wood Estate, Leeds, by the city architect, lies approximately four miles north-west of the City of Leeds, and covers an area of some 175 acres containing extensive woodland and other natural features. There are approximately 1,150 dwellings com-



BRACKENHURST HOSTEL, MOORFIELD



## Housing

plicated, including three-storey blocks of flats, two children's homes, and cottage flats for ageing persons. The estate was awarded a Ministry of Health housing medal for the period 1945-49.

\* \* \*

In Leeds itself the first re-development of the central area is now under construction at Saxton Gardens. There will be 448 flats, 6 shops and 13 garages on a cleared 10½-acre site. A typical pair of flats is illustrated; each pair of flats throughout is served by a central staircase and lift. Construction is reinforced-concrete frame and *in situ* r.c. floor slabs. External walls will be finished in buff and dark-brown facing bricks. Heating and domestic hot water will be supplied from a central boiler house. Refuse disposal will be by a Garchey installation. The city architect is responsible for the work. The consulting engineers are W. V. Zinn & Partners. General contractor: George Calverly & Sons, Ltd., Leicester. The cost, excluding site works, £943,368.



IRELAND WOOD ESTATE, LEEDS



SAXTON GARDENS. SCALE: 1 in = 16 ft

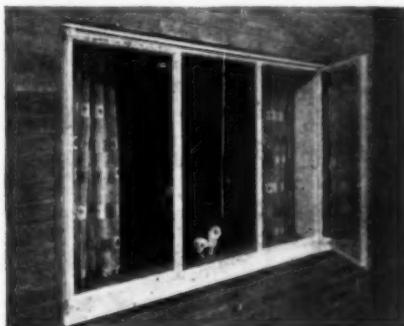
SAXTON  
GARDENS,  
LEEDS  
CENTRAL  
AREA



# HOPE'S new ARCH-BEARING CAVITY FRAME

PATENT APPLIED FOR

for Standard Windows in 11" cavity walls



Bears the weight of the outer brick arch of a cavity wall  
**No additional reinforcement necessary**

Jambs are extended inwards to close the cavity and to  
provide a key for plaster  
**No vertical dampcourse required**

Cill is formed complete with the frame  
**No external tiles or brick-on-edge necessary**

HOT-DIP GALVANIZED FINISH

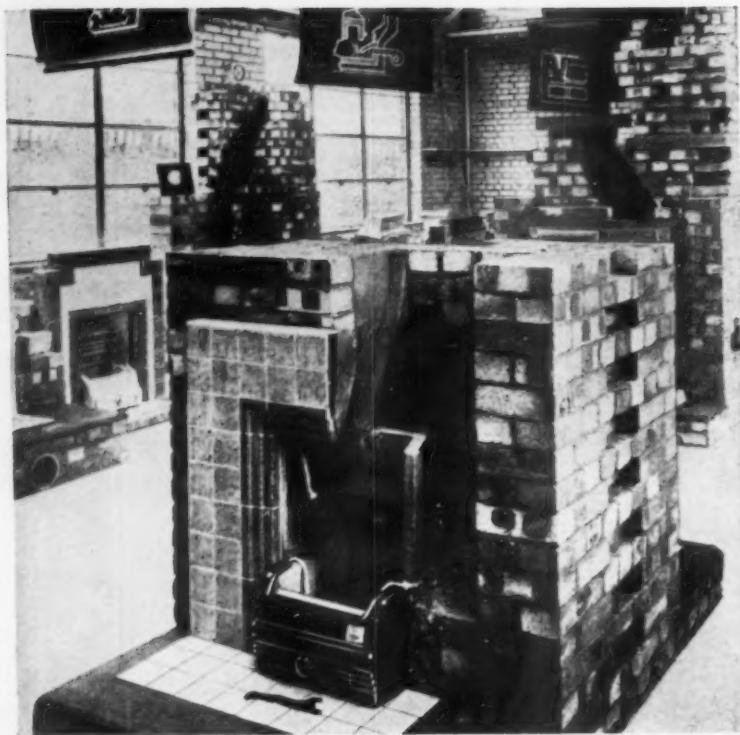
**HENRY HOPE & SONS LTD**

*Smethwick, Birmingham & 17 Berners St., London, W.1*

MEMBER OF METAL WINDOW



MANUFACTURERS ASSOCIATION



### Practical help for architects and builders

At the Coal Utilisation Council Training Centre in London, courses are held for builders' staffs on the correct fixing of modern solid-fuel appliances. Similar Coal Utilisation Council courses are also arranged at many Technical Colleges.

## Are you getting the full facts on the case for solid fuel?

The Coal Utilisation Council's chief aim is to secure the efficient use of solid fuel in British homes. Not simply in the interests of coal, but in the interest of the private consumer and the community, for, as the Simon Report says, "solid fuel, burned in efficient appliances for continuous heating of rooms or of water, costs the householder about half as much as gas or electricity and uses about half as much coal".

### What the C.U.C. is doing to help

Every six months the C.U.C. issues a list of Recommended Domestic Solid-Fuel Appliances. All appliances on this list have been tested to ensure a high standard of efficiency, durability and economy. In the interest of your clients and your firm, it pays to consult this list when recommending domestic solid-fuel appliances for any purpose.

Because recommended solid-fuel appliances must be correctly installed, if they are to be fully efficient, the C.U.C. also provides a service of instruction on installation for architects' and builders' staffs, and all authorities concerned with building or converting houses. Two-day courses on fixing are held at the C.U.C. Training Centre in London. For builders' staffs unable to attend these, special one-day courses are held at Technical Colleges in various parts of the country.

In both cases, the instruction is given by experts, with plenty of practical demonstrations. Direct enquiries on the scope of these training courses should be made to the C.U.C. at the address below—or to any of the C.U.C. Information Centres which appear on the right.

*Issued by the*

COAL UTILISATION COUNCIL, 3 UPPER BELGRAVE STREET, LONDON, S.W.1

### C.U.C. Information Centres

**Birmingham**  
2 Burlington Passage, New Street  
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**Cardiff**  
9 Castle Street (Cardiff 28266)

**Glasgow**  
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"List of Recommended Domestic Solid-Fuel Appliances"

"Warmer Homes with Solid Fuel"  
(Insulation booklet)

"Fuel Stores for Houses and Flats"

"Architectural Design Data" (Fuel handling and storage for larger buildings)

For complimentary copies of the above, apply to the Publications Dept., C.U.C.  
3 Upper Belgrave St., London, S.W.1

# CURRENT MARKET PRICES (LONDON)

(These prices apply to material purchased in the quantities named or otherwise as might be expected  
for a new building of moderate size.)

May, 1955

## AGGREGATES AND SAND

1½ inch—all in	ballast	23/-	Yard cube	
2 inch	do.	24/-	delivered	
2½ inch screened shingle		22/-	(in five yard	
½ inch	do.	22/9	loads or	
½ inch granite chippings		45/-	more)	
Sharp washed sand		23/-		
Pit sand		22/3		
Building sand		22/-		
Broken brick		18/6		
1½ inch shingle		22/-		
Cartage of muck		8/-		

## BUILDING MATERIALS AS DESCRIBED, CENTRAL LONDON

CEMENTS packed in paper bags	Per ton
Portland in 6 tons lots	96/6
Do., from 1 ton to 5 ton 19 cwt do.	105/6
Do., Rapid hardening (6 ton lots)	104/6
Do. (but 1 ton to 5 ton 19 cwt)	113/6
Cement "Aquadcrete" (do.)	138/-
Do., "417" or "Polar" (do.)	138/-
Do., "White" 1 ton (lots)	257/-

LIME—	127/- (1 ton loads) deliv'd
Hydrated } including	124/6 (2/3 do.) do.
and } paper	114/6 (4/5 do.) do.
Ground } bags	112/6 (6 do.) do.

## PLASTER—

Keenes, coarse, pink (2 ton lots)	194/- ton
Do. do. white (do.)	199/6 do.
Sirapite, do. (2 ton to 3 ton 19 cwt lots)	145/- do.
Do. finish (do.)	153/- do.
Hardwall, do.	156/6 do.
Plaster, coarse, pink (do.)	143/9 do.
Do. do. white (do.)	151/3 do.
½in. Plaster baseboard (25 to 75 yards)	2/10 Yard Sup.
½in. Do. (150 to 299 yds.)	2/6 do.
3½in. Jute scrim (100 yd. roll)	9/- each
Cow hair (under 3 cwt.)	97/6 cwt

## FIRECLAY—

Stourbridge, loose (1 ton lots)	166/3 ton delivered
Fire cement	12/3 14 lb.

## BRICKS

BACKING BRICKS (in truck loads)—	
Flettons	113/- per 1,000 delivered
Do. Keyed	115/- do.
Do. bullnose	133/- do.
Blue wirecuts	462/6 do.
White	192/- do.
Southwater engineering (No. 1)	370/- do.
Firebricks—2½ inch	69/3 per 100 delivered
Do. -3 inch	87/3 do.

## STOCK BRICKS—

Mild stocks	176/6 per 1,000 at Works
Second, do.	211/- do.
First do.	227/- do.
Add for delivery—approx. 45/- per 1,000 in lorry loads.	

## FACINGS (ex truck or lorry)—

Rustics	138/- per 1,000 delivered
White	200/- do.
Blue pressed, 2½in	509/6 do.
Do. bullnose	527/6 do.
Reds (Multi sand faced)	290/- do.
White glazed stretchers	1280/- do.
Do. headers	1260/- do.
Do. bullnose	1600/- do.
Do. double stretchers	1700/- do.
Do. double headers	1500/- do.
Breeze fixing bricks	28/6 per 100
Fire tiles and lumps	33/- foot cube
Wall ties—8" x 2" x ½", black	57/- per cwt.
Cement mortar (1 : 3) hand-made	82/- yard cube

## BRICKLAYERS' SUNDRIES—

AIR BRICKS	9 × 3in. 9 × 6in. 9 × 9in. 12 × 9in.
Iron	1/11 3/2 4/9 6/4
Galvanized	do. 3/5 5/8 8/4 11/3
Terra Cotta	do. 1/3 2/6 5/3 10/2
Chimney pots, Terra	1ft. 2ft. 3ft. 4ft.
Cotta (11 to 25)	do. 6/8 11/8 26/6 45/8

## PARTITIONS—

18in. × 9in. Blocks keyed for plastering.	2in. 2½in. 3in.
Per yard super in 6 ton lots	2in. 2½in. 3in.
In solid clinker including any half blocks	3/7 4/2 5/—
In cellular clinker blocks	4/3 4/11 5/9
In hollow clay blocks	4/3 4/6 5/2

Clinker blocks in small quantity .. 5/2 6/1 7/4  
Intermediate quantities in all types may be had at intermediate prices.  
Smooth in lieu of keyed faces extra cost per side 3d. per yd. super.

## SINKS

Fireclay white glazed in and out—standard quality	24 × 18in 30 × 18in 30 × 20in
London pattern, no overflow,	
6in. deep ..	62/- 77/- 81/-
Belfast, plain edge, 10in deep	71/- 122/- 163/-

## FLUE LININGS PLAIN, CIRCULAR

Foot lineal	Each	
9in diameter	Straight	Bends
9in diameter	3/8	11/-
10in do.	4/7	13/9
12in. do.	8/8	26/-
9in diameter, beaded end, 12in high		4/10

## FLUE PIPES AND FITTINGS

4in	5in	6in
Heavy asbestos type, 6ft length	15/3	21/- 26/6
Do. 3ft length	7/8	10/6 13/3
Do. bends	5/9	7/3 8/8
Light asbestos type, 6ft length	12/6	15/9 21/-
Do. 3ft length	6/3	7/11 10/6
Bends	4/7	5/9 6/11
Baffler	12/5	14/9 15/8

## DRAINAGE GOODS

### GLAZED STONEWARE STANDARD LIST

4in	6in	9in
ORDINARY TYPE—EACH		
Pipes in 2 feet lengths	1/8	2/6 4/6
Bends	2/6	3/9 10/1½
Junctions (4in on 4in, 6in on 6in, 9in on 9in)	4/2	6/3 13/6
Gullies with 4in outlets	6/3	6/10½ 11/3
4in horizontal inlets	2/—	3/— 5/—
4in vertical ditto	3/—	4/— 7/—
Black iron grids	9d	1/5 2/9

## Adjustment to Current Cost

2 ton lots or more	Less than 2 ton lots
"Best" pipes and fittings. Percentages to add ..	67½ 97½ 107½
Further percentages to be independently added in respect of British Standard pipes, etc., 10. "Best" Tested pipes, 37½	
British Standard Tested, 47½.	

## IRON DRAINAGE GOODS—

Each	4in	6in
Cast iron pipes, 9 feet long	64/9	96/—
Do. 6 feet do.	46/10	73/6
Do. 4 feet do.	36/7	57/7
Do. 2 feet do.	22/5	34/4
Short bend	15/—	31/2
Junction	26/5	51/—

## CURRENT MARKET

## PRICES (Continued)

## DRAINAGE GOODS—Continued

GULLEY PARTS—	4in	6in
Traps, high level, invert	24/-	60/- each
Inlet, bellmouth pattern	13/10	22/3 do.
Do. with one vertical branch	18/7	28/6 do.
Do. with two do.	53/-	95/- do.
Extra for Sealed cover	8/6	11/- do.

## RAINWATER SHOES

RAINWATER SHOES	4in	6in
With vertical inlet and rebated top	27/-	72/- each
Extension piece, 6in high	15/-	16/3 do.
Flat loose coated grating	3/8	3/8 do.
Loose solid coated cover	4/10	4/10 do.

## MANHOLE CHANNELS, WHITE GLAZED—

MANHOLE CHANNELS, WHITE GLAZED—	Each	4in	6in	9in
Straight, 2 feet long	15/-	21/3	36/3	
Taper, ditto	25/-	25/-	37/6	
Bends, main, half section	28/9	41/3	67/5	
Ditto, branch, ditto	17/6	25/-	—	
Ditto, ditto, three quarters, ditto	25/-	38/9	—	
Junctions, single	23/9	41/3	—	
Ditto, double	32/6	56/3	—	

## BROWN GLAZED CHANNELS—

BROWN GLAZED CHANNELS—	Based on standard list (less than 100 pieces)	4in	6in	9in
Half-round main channel (2ft long)	2/8	3/11	7/-	
Extra for stop ends	2/8	3/11	7/-	
Extra for outlets	5/3	7/10	—	
Channel bends with splayed ends	7/10	11/8	—	
Three-quarter section do.	10/5	15/7	—	

## MANHOLE COVERS—

MANHOLE COVERS—	Black
24 x 18in Light foot traffic	27/- each
Do. Strong do.	35/- do.
Do. Light car traffic	100/- do.
Do. Road traffic	155/- do.

## SUNDRIES—

SUNDRIES—	Galvanized
Manhole steps	7/9 each
4in Mica valve fresh air inlets (L.C.C.)	27/3 do.
Plumber's hemp	7/3 per lb.
Gasket, caulking	1/5/ do.
Canvas backed hair felt, 4in wide	9d. per ft run

## ROOFING MATERIALS

## WELSH SLATES (delivered)—

WELSH SLATES (delivered)—	Quantity	Full Loads	100 to 499	1 to 99
Sizes in inches	per 1,000	per 1,000	per 100	per dozen
22 x 11	1920/-	260/3	34/3	
20 x 10	1700/-	228/6	29/3	
18 x 10	1240/-	162/-	21/6	
16 x 10	1020/-	131/3	17/3	
14 x 9	780/-	89/6	11/9	
14 x 4½	347/-	40/-	5/3	

## TILES (Broseley and Staffordshire)—

TILES (Broseley and Staffordshire)—	per 1,000	per 100	per 100
10½ x 6" Machine made	297/6	36/-	
Do., hand made, sand faced	354/6	43/-	
Hips, valleys and angles	31/-	per dozen	
Plain concrete tiles	Per 1,000	Per 100	
	177/-	19/6	

Sheeting asbestos corrugated, 6in pitch (23 to 85 super yard lots)	7/- yard
4½in x 16 gauge, drive screws (galvanized)	16/3 gross
7½ x ½ hook bolts and nuts (do.)	48/- do.
Washers, round, flat galvanized	4/9 do.
Do. do. bituminous	2/- do.

## ROOFING FELT—

Sanded bitumen felt (55lb)	1/-	Yard Super
Ditto, but 75lb in weight	1/6	Do.
Inodoreous felt, best quality	3/-	Do.
Ditto, second quality	2/4	Do.
Underlining	1/8	Do.
Sheathing	1/8	Do.
Galvanized felting nails	1/6 lb	

## PRECAST CONCRETE LINTOLS—

1 : 2 : 4—1in material, finished with fair exposed faces, including all form-work, and one 1in diameter mild steel rod reinforcement to each 4½in in width.

Per foot lineal delivered to site.
4½in x 6in
4/-
9in x 6in
6/-
9in x 9in
7/8
13½in x 9in
9/6
18in x 9in
11/6

## STONE

PER FOOT CUBE in random blocks not exceeding 20ft cube in each, free on rail London.

Monks Park 7/10 St. Aldhelm 8/10

Portland brown Whitbed 8/11

Other stone but delivered to sites. Doultong 8/7 Beer 8/-

## TIMBER

Softwood—sawn—random lengths.

Per Standard	Per cubic foot
Carcassing quality	£105
Joinery quality	£120 and up
Plain edged unsorted flooring, per square	£1 in 90/- 110/- 138/- 165/-
1in insulating wall board (600 yards) 4/6 yard super.	
Larger quantities cost less, and smaller quantities more.	

## SUNDRIES—

SUNDRIES—	Dia.	3in	6in	9in
Black hexagon bolts, nuts and washers. Each	1in	7d	9d	11d
	1in	10d	11d	14d
	1in	1/2d	1/6d	1/10d
Sashline, hemp, good quality	No. 6	No. 8	No. 10	
Per Yard Run	9d.	1/1	1/4	
Floor brads			54/-	per cwt
Cut Clasp Nails			65/-	per cwt
Steel ordinary screws	1"	No. 8 2/10 2"	No. 8 4/10	per
Brass, ditto	Do. 8/8	Do. 15/2		gross

## HARDWOOD—

Prime	Per ft	super	Per
	1in	lin	lin ft cube
African mahogany	2/4	2/6	28/-
Honduras ditto	3/3	4/-	50/-
Portuguese Guinea ditto	3/1	3/3	36/-
African walnut	2/5	2/7	29/-
Australian ditto	5/6	5/10	65/-
English oak	4/3	4/6	50/-
Yugoslavian ditto	3/4	3/7	40/-
Burma and Siam Teak	5/-	5/9	65/-

## DOORS.—STANDARD TYPE SOFTWOOD

Each in quantities 12 or more.

1in finish, 4 horizontal panels moulded both sides 6ft 6in high.

2' 3" wide 41/-

2' 6" do. 42/3

2' 9" do. 44/6

FLUSH DOORS 1½in thick, ply faced both sides, lipped edge.

All 6ft 6in high.

2' 3" wide 47/6

2' 6" do. 49/6

2in (ditto) all as above but in 3 panels.

2' 6" wide 55/9

2' 9" do. 58/3

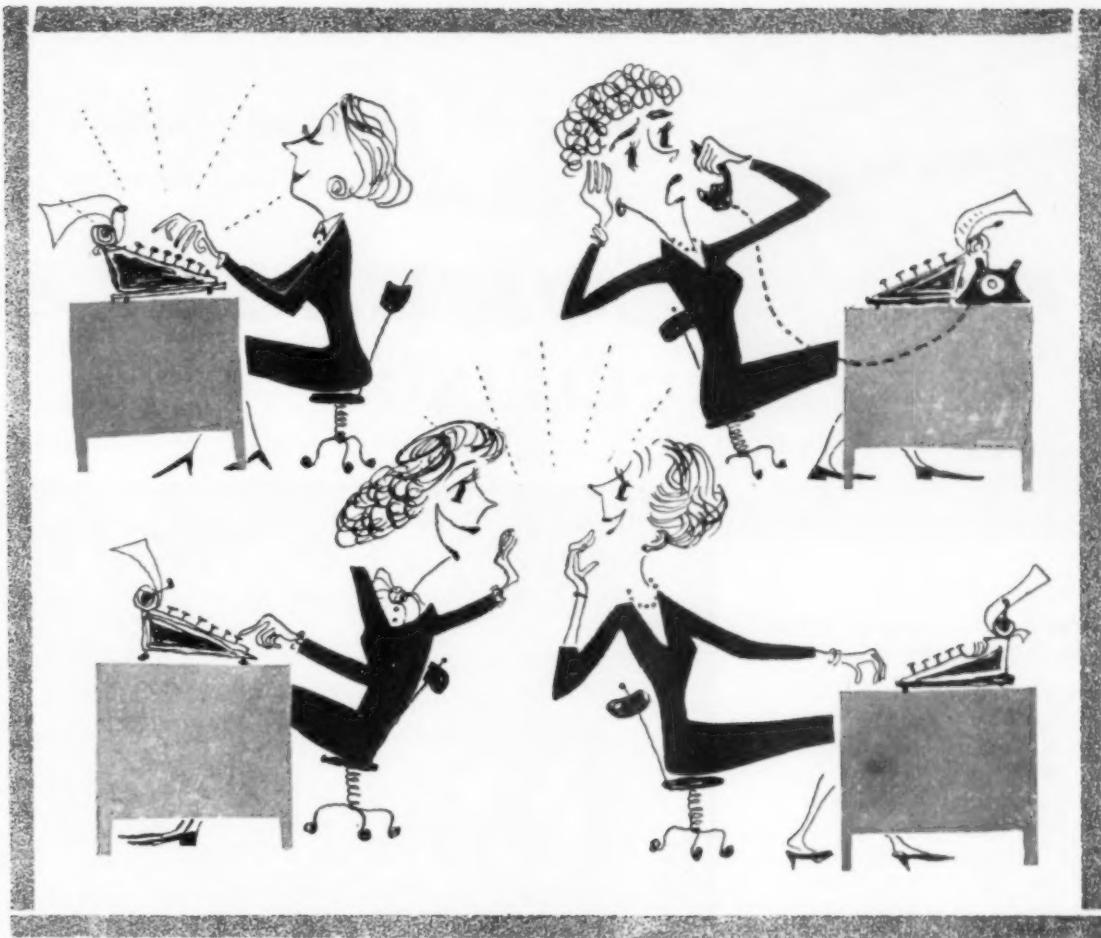
2in (ditto) all as above but in 2 panels.

2' 6" wide 51/3

2' 9" do. 53/6

## IRONMONGERY

2in	3in	4in	5in	6in
Cast iron Butts, per pair	1/-	1/8	2/7	4/11
Hinges, spring, single action regulating, japanned, each	—	7/6	9/9	13/3
Do. but double action spring only, each	—	13/6	14/9	22/3
Do. black only, each	—	8/3	11/3	17/-
				20/9



**Meet Mesdemoiselles Potter, Pettigrew, Jones and Unwin**

They are what is known as a pool. Not one of those peaceful pools that encourage deep reflection and concentration: contrariwise. While May Potter is pounding out a report on her noiseless, Sheila Jones is telling Mavis Pettigrew about last night, while Phyllis Unwin is carrying on with difficulty a telephone conversation about an important client who's lost in the lift or somewhere. If only a girl could *hear*. Shut up, Sheila, do!

No, no, Miss Unwin! Don't blame Sheila, blame the architect who forgot Fibreglass sound absorption when he designed the tower of babble in which you work. This easily-installed, everlasting material will enhance concentration, save time lost in repetition, reduce errors and improve tempers out of all proportion to its modest cost.

*wrap that office in*

**FIBREGLASS**  
TRADE MARK



Courtesy: Scottish Industries Exhibition.

**The Lumenated Ceiling offers  
the following advantages:**

- Ideal for showrooms, shops, offices, foyers and similar applications
- An excellent method of modernising old, high ceilinged premises
- In new buildings, structural ceiling requires no special finish—it is hidden
- Easy access to lighting fittings
- Durable, dust-repellent, easy to clean and maintain
- Non-inflammable
- Air conditioning and acoustic systems easily incorporated

Our Advisory Service is available at all times to produce recommendations for every type of installation.

Full technical data and specifications are available on request to our London office.

Ceiling and Lighting combine to form the *new*

# LUMENATED CEILING



Courtesy: Dolcia Ltd.

Here at last is an entirely new lighting technique in keeping with contemporary design, and present-day emphasis on good lighting. With the LUMENATED CEILING, there is no glare, no shadow and no 'high spots'. A pleasant, even light of correct intensity is diffused from the entire ceiling area. For showrooms and shops, it overcomes the usual 'mirror' effect of the front window. No light fittings are visible and the ceiling is attractive whether the light is on or not.

**LUMENATED CEILINGS LIMITED**



LONDON OFFICE: 4 LLOYDS AVENUE, E.C.3. TEL: ROYAL 1927

HEAD OFFICE: THERMOTANK LTD., HELEN STREET, GLASGOW

## CURRENT MARKET PRICES (Continued)

## IRONMONGERY—Continued

	12in	18in	24in	30in	36in
Tee hinges (japaned), per pair	2/-	3/10	—	—	—
Do., but stronger, per pair	3/4	6/1	8/3	—	—
Hook and Ride hinges, per pair	—	—	13/4	16/3	24/10
BOLTS—each—	3in	4in	6in	8in	10in 12in
Cabinet, barrel, straight or necked	1/4	1/7	2/1	—	—
Square spring, with brass knob	—	1/4	1/7	2/1	—
Tower bolts	—	—	1/7	2/3	3/- 4/6
Barrel bolts	—	—	2/7	3/9	4/10 6/3 7/7
Add to Tower or Barrel bolts if necked	—	—	1d	1d	1d 1d
LOCKS—each					
Rim lock, 2 lever, wrot case brass bolt and bushing	11/9		Brass furniture..	3/-	
Mortice lock, 2 lever, bushed	12/-		or Bakelite do.	3/1	
Cylinder latches, japanned case	—	—	Bakelite finger-plates	2/3	
Brass sash fastener	—	—	or Bakelite do.	3/8	
Casement fasteners (malleable)	—	—	—	17/-	
Do. stays (do.)	—	—	—	4/-	
Axle pulleys (brass face, iron wheel)	—	—	—	1/6	
Do., as last, but with brass wheel, 1½in	—	—	—	2/-	
Sash line, No. 8 Anchor yellow label	—	—	—	4/4	
	per yard	—	—	5/5	
	—	—	—	5/5	
	—	—	—	1/-	

## METAL GOODS

British rolled steel joists ex works to basis sections (6in × 5in, 8in × 5in or 6in, and 10in or 12in × 6in)	£33/10/0 per ton
<i>Extra cost over basis for following sections:</i>	
9in or 18in × 7in, 14in × 5½in, 15in × 5in, 14in or 15in or 16in or 18in × 6in, 20in × 6in, 20in × 7½in, 10in or 12in or 14in or 18in × 8in	10/- per ton
5in × 4½in, 7in × 3½in, 13in × 5in	15/- do.
12in × 5in, 22in × 7in	20/- do.
6in × 4½in, 7in or 8in or 9in × 4in, 10in × 5in	25/- do.
4in × 3in, 10in × 4½in	30/- do.
5in × 2½in, 5in × 3in	35/- do.
6in × 3in, 24in × 7½	40/- do.
3in × 3in	50/- do.
4½in × 1½in	65/- do.
3in × 1½in, 4in × 1½in	70/- do.
½ mild steel reinforcing rods ex mills	£34 0 0 do.
Extras per ton	
½in and 1in diameter in size	32/- per ton
½in do. do.	32/- do.
1in do. do.	49/6 do.
½in do. do.	67/- do.
1in do. do.	87/- do.
½in do. do.	124/6 do.
Extras for length	
5ft to 3ft	7/6 do.
3ft to 2ft	15/- do.
2ft	22/6 do.
40ft to 45ft	15/- do.
45ft to 50ft	22/6 do.
Bolts and nuts	85/- per cwt
Trench covering, including trays 1½in deep and rebated frames, 9in wide	20/6 foot run
Do., but 12in wide	22/- do.
Do., but 14in. wide	24/- do.
Do., but 18in wide	31/6 do.

## METAL SUNDRIES

Cast iron pavement light filled with 4in × 3in glass lenses	30/- ft. super
½in wrought iron plate door in four panels with stiles and rails on both sides	45/- do.
20 gauge galvanized iron trunking and straps	5/- do.
24 gauge galvanized Talboy 6ft high 9in diameter with 9in × 12in base	55/- each.

## CHAIN LINK FENCING—

In 25 yards lineal rolls inclusive of line wire.	Height in inches—
	36 42 48 60 72
10½ wire gauge	90/9 105/9 121/- 151/- 181/3
12½ do.	63/9 74/6 85/- 106/3 127/6
14½ do.	45/6 53/3 60/9 76/- 91/3

## DOUBLE SOOT DOORS AND FRAMES—

Fitted with brass turnbuckle and cast key	9in × 9in	12in × 9in	14in × 12in
—	18/-	26/6	46/-

## SLIDING DOORS, GATES AND PARTITIONS—

Factory sliding doors in two leaves containing about 100 square feet with mild steel angle frames covered with 24 gauge corrugated galvanized sheeting and including hanging tubular track and gear complete	14/- foot super
Factory entrance gates with mild steel frames clad with 2in mesh chain link complete	11/- do.
Steel partitioning, glazed (rough cast) and stove enamelled	17/- do.

## STEEL ROOF LIGHTS—

Lanterns with vertical sides, and hipped roof, glazed with ½in cast glass and lead flashed.	14/- foot super
Skylights of similar construction (180ft super)	20/- do.

## HIGH GRADE DOMESTIC BOILERS

Coke fed. Performance 20 to 40 gallons raised from 40°F to 140°F per hour as under.

TYPE	£	s	d
20 gallons per hour	Plain cast iron black finish	7	3 3
15in wide, 23in high.	Ditto, in cream mottle finish including side jackets	10	3 6
25 gallons per hour	In cast iron as before and base plate	10	13 6
19in wide, 22in high	Ditto in cream mottle with side jackets and base	15	13 9
40 gallons per hour	In cast iron, etc., as last ditto	16	18 6
22in wide, 23in high	Ditto in cream mottle all as last ditto	22	18 0

## GAS, WATER AND STEAM TUBES

(From Standard List)

Internal	½in &	Diameter—	½in	¾in	1in	1¼in	1½in	2in
Tubes .. per ft	4d	4½d	5½d	6½d	9½d	11/1	14½	1/10
Bends .. each	8d	9d	11d	12d	17½	2/7	3/2	5/2
Elbows, sq. do.	10d	11d	11d	1/1	1/3	1/6	2/2	4/3
Do., round do.	11d	1/1	1/2	1/5	1/8	2/4	2/10	4/8
Tees .. do.	1/1	1/1	1/3	1/7	1/10	2/6	3/1	5/1
Crosses .. do.	2/2	2/4	2/9	3/3	4/1	5/6	6/7	10/6
Backnuts .. do.	2d	2d	3d	3½d	5d	6d	8d	1/1
Sockets .. do.	3d	3d	4d	5d	6d	8d	10½d	1/3
Sockets, dimin. do.	4d	5d	6d	7d	9d	1/-	1/4	2/-

## PERCENTAGES ON OR OFF ABOVE

In quantity and in random lengths.

## TUBE—

Class A (light)	—18%	Black	+ 2%	Galvanized
Class B (medium)	— 8½%	Do.	+ 18%	Do.
Class C (heavy)	+ 3%	Do.	+ 35%	Do.

## FITTINGS

Lightweight	+ 12%	Black	+ 26%	Galvanized
Heavy	+ 21%	Black	+ 35%	Do.

## RAINFOWTER GOODS (Painted or Unpainted)

In consignments of 5 cwt. and over.

From Standard List.

Pipe:	2in	3in	4in	5in	6in
6ft lengths ..	each	12/10	14/5	18/11	24/8
3ft do. ..	do.	7/-	7/9	10/-	13/1
Shoe, ordinary ..	do.	2/7	3/10	5/7	9/5
Bend ..	do.	3/1	4/4	6/3	11/3
Branch, single ..	do.	4/6	6/7	9/3	14/7
Offset, 4½in ..	do.	3/9	5/3	7/9	12/11
Do., 9in ..	do.	4/11	6/6	9/8	15/3
H.R. gutter, 6ft length ..	do.	6/-	8/5	10/4	13/10
Angle or nozzle ..	do.	2/6	3/1	3/9	5/4
Stop end ..	do.	—	9d	1/1	1/6 1/9
					Above plus 2½%

## CURRENT MARKET PRICES (Continued)

## PLASTERING MATERIALS

Sand, lime, cement and various plasters are previously included under those heads—	
Metal lathing ( $\frac{1}{2}'' \times 24G.$ ) (20 yds.)	3/3 sq yard
Plaster baseboard, $\frac{1}{2}''$ (300 to 599 yards)	2/5 do.
Lath nails, galvanized	1/1 lb
White glazed tiles ( $6'' \times 6'' \times \frac{1}{2}''$ )	17/9 sq yard
Do. rounded on one edge	21/3 do.
Do. on two adjoining edges	26/- do.

## PLUMBER'S GOODS

4 lb lead sheet (in 1-ton lots)	140/3 per cwt
Lead water pipe in coils (do.)	141/6 do.
Plumber's solder..	3/6 lb
Copper tacks ..	6/9 do.
IRON SOIL AND WASTE PIPE. (5cwt. lots and up)	
each	2in 3in 3½in 4in
½in Medium pipe, 6ft length	14/6 17/2 19/3 21/11
Ditto, 4ft length ..	10/5 12/2 13/7 15/5
Bends ..	5/4 6/6 8/1 9/1
Ditto, with oval door ..	17/4 18/6 21/1 24/7
Junction, single ..	6/6 9/8 11/3 13/3
Ditto, with oval door ..	18/6 21/8 24/3 26/3
Swan necks, 4½in ..	6/6 10/3 11/9 13/9
Ditto, 9in. ..	8/8 11/9 13/9 16/1
Holderbar, 2½in projection ..	4/11 5/1 5/4 5/6
	Above plus 2½%

GALVANIZED CISTERNS, TANKS AND CYLINDERS—  
(Less than four)

CISTERNS—	gallons	Nominal capacity
Bends over tops and corner plates. Riveted or welded—		
100	150	200
14 gauge ..	171/6	234/-
12 ditto ..	199/-	253/-
½in plate ..	235/11	296/-
HOT WATER TANKS—	20	25
Riveted and with handhole and ring.		
12 gauge ..	118/6	131/-
½in plate ..	131/-	143/5
156/-		190/5
HOT WATER CYLINDERS—	20	25
Riveted, with handhole and ring.		
12 gauge ..	151/6	165/6
½in plate ..	169/-	187/-
		204/6
		218/-

## PLUMBER'S BRASSWORK, etc.

	Each	½in	¾in	1in	1½in
Boiler screws, single nut	1/7	2/1	3/5	5/1	
Ditto double nut ..	2/2	2/10	4/8	6/10	
Cap and lining ..	1/2	1/7	2/—	2/3	
Plumber's unions ..	2/6	3/2	4/5	7/10	
Ball valves, screwed iron	16/-	22/-	—	—	
Ditto, fly nut and union ..	17/-	23/6	—	—	
Bib valves, crutch top screwed iron ..	10/9	15/-	—	—	
Ditto, but screwed boss	11/10	16/8	—	—	
Stop valves, screwed iron	9/3	13/-	—	—	
Ditto, screwed iron and union ..	11/3	16/3	26/-	—	
Ditto, double union ..	11/9	17/-	27/6	—	
Waste, plug chain and stay ..	—	—	8/-	9/-	
Caps and screws ..	1½in	1½in	2in	4in	
Sleeves, long ..	2/9	3/3	5/-	—	
Ditto, short ..	—	—	7/4	12/6	
Thimble ..	—	—	3/8	4/3	10/6
Full way gate valves, hot pressed ..	21/-	29/6	—	—	
Lead 7 lb P. trap ..	6/11	1½in	2in		
Ditto, S. trap ..	8/7	11/3	15/9		
Lead 6 lb. P. traps with 3in seal ..	7/9	9/4	—		
Ditto, but S. traps ditto	9/7	11/9	—		
Wire balloon guards, copper, 2in. 3/4; 4in 3/3.					
Ditto, galvanized iron, 2in 1/10; 4in 2/4.					
Hair felt, 34in x 20in, 24 oz., 6/- sheet.					
Boss white jointing compound, 2lb.					
Gaskin, 1/5lb. Hemp, 7/3 lb.					

## COPPER TUBES—Extract from B.S. 659/1944—

Nominal bore	Outside diameter	Gauge	Internal work (semi-hard).		3 Cwts lots	
			inch	lb per ft	Price per lb	Price per ft
½in	0.596	19	0.27	47½	12.94	
¾in	0.846	19	0.39	46½	18.04	
1in	1.112	18	0.62	44½	27.75	
1½in	1.362	18	0.76	44½	33.54	
1in	1.612	18	0.91	44½	40.16	
2in	2.128	17	1.40	45½	64.05	

## CAPILLARY TYPE CONNECTIONS—

All ends copper to copper.	Each	½in	¾in	1in	1½in	2in
Straight ..	..	1/9	2/5½	3/10½	5/1	6/10
Bends ..	..	4/6½	5/7½	8/1	11/1	17/4
Tees ..	..	4/2½	4/11	7/11	11/7	16/6
Brackets (Brass) ..	..	2/2½	2/4½	2/7½	—	—

## GLASS

Per foot superficial	24 oz.	26oz.	32oz.
English, flat drawn sheet glass cut to sizes in squares ..	..	..	7½d. 10d. 1½
Figured rolled and cathedral, white, cut to sizes, in squares (½in) ..	..	..	9d Per foot super
Ditto, but in standard tints ..	..	..	1/4d. Do.
½in Rolled, cut to size, in squares ..	..	..	9d. Do.
½in or ¼in rough cast ditto ..	..	..	1/— Do.
½in Ditto wired ditto ..	..	..	1/2d. Do.
Georgian wired ditto ..	..	..	1/2½d. Do.
Fluted (No. 4) ditto ..	..	..	1/1½d. Do.
Reeded (narrow, broad, cross and major) ditto ..	..	..	1/1 Do.
Reedlyte (narrow and broad) ditto ..	..	..	1/1 Do.
Spotlite ditto ..	..	..	1/1 Do.
½in Calorex Cast ditto ..	..	..	1/2½d. Do.
Calorex Sheet (15oz.) ..	..	..	6/6 Do.
Ditto (21oz.) ..	..	..	9/— Do.
Flashed Opal (15/18oz.) ..	..	..	3/7 Do.
Pot Opal (15/18oz.) ..	..	..	3/7 Do.

## POLISHED PLATE GLASS (Tariff). Cut to sizes.

Ordinary substance approximately ½in thick.

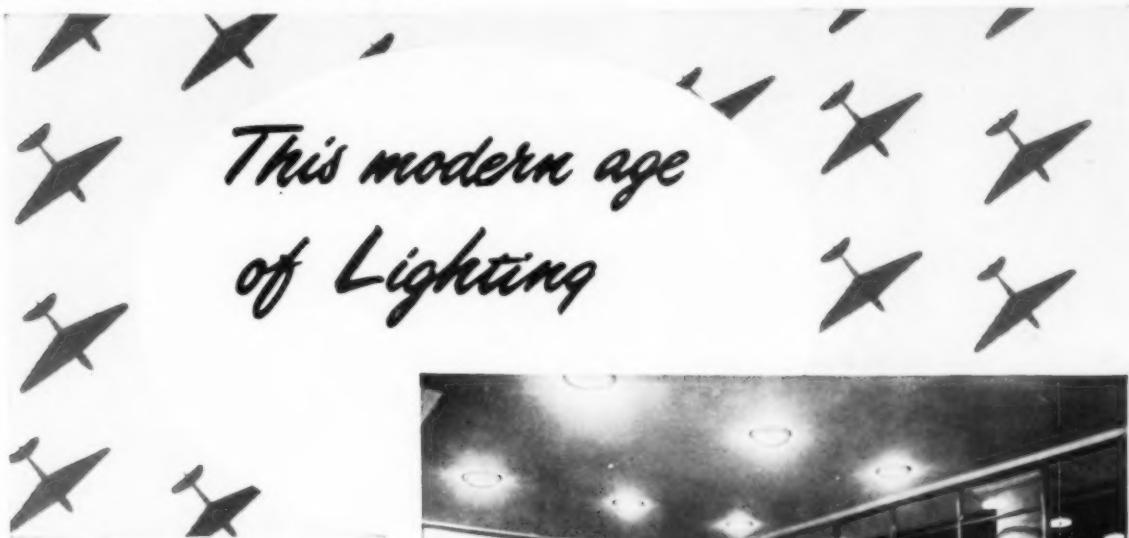
Per superficial foot.

## General Glazing

In plates not exceeding:	
2ft super in each ..	..
5ft ditto ..	..
45ft ditto (unless extra sizes) ..	..
100ft ditto (ditto) ..	..
Extra sizes, i.e., Plates exceeding 100ft super or 96in high or 160in wide at higher prices.	4/11½

## DECORATING MATERIAL

	Price	Unit
Aluminium Paint ..	37/6	Gallon
Distemper, ceiling ..	35/-	Cwt
Distemper, washable ..	120/-	do.
Enamel ..	60/-	Gallon
Gold Metallic Paint ..	86/6	do.
Heat Resisting Paint ..	50/-	do.
Japan, black ..	23/6	do.
Knotting ..	40/-	do.
Linseed Oil ..	13/6	do.
Boiled, ditto ..	14/-	do.
Proprietary Paints (good class)—		
Finishing ..	47/-	do.
Priming ..	50/-	do.
Undercoat ..	53/-	do.
Paperhanger's Paste ..	34/6	Cwt
Petrifying liquid ..	8/9	Gallon
Putty ..	51/-	Firkin
Size ..	9/3	Gallon
Terebine ..	16/-	do.
Turpentine substitute ..	6/3	do.
Varnish, oak, copal, inside use ..	33/-	do.
Ditto, ditto, outside use ..	38/-	do.
Ditto, white, eggshell, flat ..	44/6	do.
White lead mixed paint ..	62/-	do.
White lead ..	178/-	Cwt
Whiting ..	12/6	Cwt



**at DE HAVILLANDS,  
LEAVESDEN, HERTS**



Architects : James M. Monro & Son, A.R.I.B.A.

The new offices of the De Havilland Engine Co. Ltd. at Leavesden are illuminated by a Holophane planned Lighting Scheme.

Circular Controlens and laylight units are effectively used in the architectural treatment of the main entrance hall, illustrated in the night view above. Holophane LUMILUX Correctalite units are installed in the general offices (also illustrated) providing a pleasing and efficient illumination at desk level together with a good overall environment. The lighting arrangements in the executive offices are planned to the individual requirements of the rooms concerned.

The Holophane system of Lighting is widely employed for offices, and all classes of industrial establishments. You are invited to consult us for schemes to suit your specific requirements.

#### AERODROME INSTALLATIONS

Holophane also specialise in the design and manufacture of equipment for aerodrome run-way, approach and taxi-track lighting, hangar interior lighting and engine test-bed lighting employing special flameproof units.

# HOLOPHANE LIMITED

SCIENTIFIC ILLUMINATING ENGINEERS

S.W.

# FARMER & SON LIMITED

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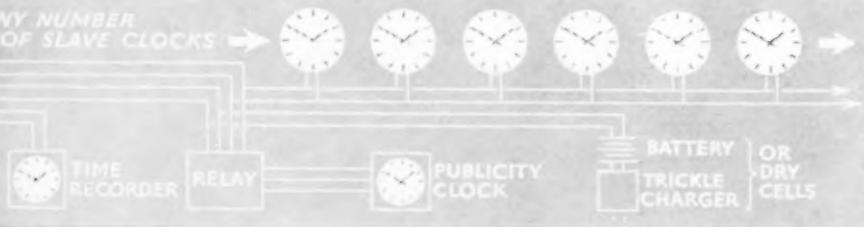
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Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the

## CONTRACT • NEWS •

address it is the same as the locality given in the heading, (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

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### OPEN BUILDING

**BILLESDON R.C.** (a) Garage for public cleansing vehicles at Thurnby. (b) Council's Surveyor, Council Offices, Thurnby. (c) 2gns. (e) June 13.

**CHESTERFIELD R.C.** (a) Public convenience, White Lane, Gleadless. (b) Council's Engineer, Rural Council House, Saltergate. (c) 2gn cheque. (e) June 15.

**COOKHAM R.C.** (a) Pair of houses, Choke Lane, Cookham Dean. (b) Council's Engineer, Council Offices, "Oaklands," 1, Bath Road, Maidenhead. (c) 2gns. (e) June 16.

**EIRE—DUBLIN C.C.** (a) 176 houses, Finglas West site. (b) City Treasurer, Exchange Buildings, Lord Edward Street. (c) 15gns. (e) June 14.

**EPPING U.C.** (a) 28 houses and 12 bungalows on a site at Coronation Hill. (b) Council's Clerk, Council Offices, 91, High Street. (c) 2gns. (d) June 7. (e) June 28.

**FLINTSHIRE C.C.** (a) Pair of houses at Celyn Horticultural College, Northop. (b) County Architect, Council Offices, Llwynegryn, Mold. (c) 2gns. (e) June 14.

**FRINTON AND WALTON U.C.** (a) Alterations to the existing public conveniences on the greensward facing Connaught Avenue, Frinton-on-Sea, and the erection of a new ladies' convenience immediately adjoining. (b) N. G. Harland, Easthope, Old Road, Frinton-on-Sea. (c) 2gns. (d) June 6.

**GOSFORTH U.C.** (a) Block of 12 flats, Lambert Square. (b) Council's Clerk, Council Chamber. (e) June 11.

**HALESOWEN B.C.** (a) 9 dwelling houses, Howley Grange Estate, Lapal. (b) J. C. T. Cole, Esq., Central Buildings, Long Lane, Blackheath, near Birmingham. (c) 2gns. (d) June 4.

**HAMBLEDON R.C.** (a) 2 blocks of flats, Chapel Lane, Milford. (b) Council's Engineer, Council Offices, Bury Fields, Guildford. (c) 3gns. (e) June 22.

**HARTISMERE R.C.** (a) 2 pairs of bungalows, Stoke Ash. (b) Housing Department, Lambeth Street, Eye, Suffolk. (c) 2gns. (e) June 10.

**HOLLAND C.C.** (a) 1 bungalow at Boston Long Hedges and 1 bungalow at Villa Farm, Fosdyke. (b) G. T. Bailey, Oxford Street, Boston. (e) June 14.

**HOLYWELL U.C.** (a) Block of 6 garages, Cairton Crescent, Greenfield. (b) Council's Engineer, Town Hall. (c) £2. (e) June 10.

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**HORNCHURCH U.C.** (a) 12 garages at Ullswater Way, 9 at Burwood Gardens, Rainham, 7 at Hamilton Drive, Harold Wood, together with access roads, slab bases, drainage and water supplies. (b) Council's Surveyor, Council Offices. (c) 2gns. (e) June 18.

\* \* \*

**HUDDERSFIELD B.C.** (a) Carrying out alterations and extensions to Thorpe Grange, Almondbury. (b) Borough Architect, High Street Buildings. (c) 2gns. (e) June 13.

\* \* \*

**LEICESTER C.C.** (a) Erection of sanitary blocks at Quorn C.E. primary school. (b) County Architect, 123, London Road. (c) 2gns. (e) June 24.

\* \* \*

**LIVERPOOL C.C.** (a) Erection of an ambulance station at Westminster House, Liverpool, 4. (b) City Architect and Director of Housing, Blackburn Chambers, Dale Street, Kingsway, 2. (c) 2gns. (e) June 13.

\* \* \*

**LONDON — WALTHAMSTOW B.C.** (a) Conversion of 8 houses in Carisbrooke Road, Walthamstow, E.17, into 31 flats. (b) Borough Architect, Town Hall, Forest Road, E.17. (c) 2gns. (e) June 17.

\* \* \*

**MANCHESTER C.C.** (a) Conversion of Methodist Church into community centre, Burton Road, Withington. (b) City Architect, P.O. Box No. 488, Town Hall. (e) June 11.

\* \* \*

**MELKSHAM U.C.** (a) 10 garages, Riverside Drive. (b) Council's Engineer, Town Hall. (c) 1gn. (e) June 20.

\* \* \*

**MILLOM R.C.** (a) 2 pairs of bungalows, Victoria Street. (b) Council's Surveyor, Council Offices, Market Square, Millom, Cumberland. (c) 2gns. (e) June 30.

\* \* \*

**MONMOUTHSHIRE C.C.** (a) Erection of a new biology laboratory at Bassaleg grammar school. (b) Council's Architect, Queen's Hill, Newport. (c) 2gn cheque payable to Council. (e) June 13.

\* \* \*

**NEWCASTLE-UPON-TYNE C.C.** (a) Erection of (1) 16 houses and 28 maisonettes and flats on the Slatford Lane Estate, and (2) 24 flats and maisonettes and 7 garages at Byker Bank. (b) City Architect, 18, Cloth Market, 1. (e) June 16.

\* \* \*

**NEWPORT B.C.** (a) Erection of a large assembly hall in connection with the civic centre scheme. Approx. cost £200,000. (b) Town Clerk, Civic Centre, Newport, Mon. (d) June 6, with list of similar types of work executed.

\* \* \*

**N. IRELAND—BELFAST C.C.** (a) Erection of a sub-station building at North Street. (b) Electricity Department, East Bridge Street. (c) 2gns. (e) June 17.

\* \* \*

**N. IRELAND—BELFAST C.C.** (a) New infants' school adjoining the existing Wheatfield primary school, Ardoyne Road. (b) Education Architect's Department, 40, Academy Street. (c) £5. (e) June 16.

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**NORWICH C.C.** (a) Alterations and adaptations to boot and shoe department at the technical college, St. George Street. (b) City Architect, City Hall. (c) 2gns. (e) June 10.

\* \* \*

**NORWICH C.C.** (a) 6 shops and maisonettes, Heartsease Estate. (b) City Architect, City Hall. (e) June 13.

\* \* \*

**NUNEATON B.C.** (a) 68 flats and maisonettes in 4 blocks, Meadow Street. (b) Borough Surveyor, Council House. (e) June 11.

\* \* \*

**QUEENSBURY AND SHELF U.C.** (a) 18 houses, Cockhill Estate, Shelf. (b) Council's Engineer, Council Offices, Queensbury. (c) 2gns. (e) June 27.

\* \* \*

**ST. AUSTELL U.C.** (a) Erection of (1) 23 houses at Eastbourne site, 4 at Highfield Avenue site, and 1 at Par Sewage Works, and (2) a beach cafe at Par. (b) Council's Engineer, Municipal Offices. (c) 2gns. each contract. (e) June 18.

\* \* \*

**SOLIHULL B.C.** (a) Erection of a civic hall block at Church Hill Road. (b) Town Clerk, Council House; with particulars of schemes of similar nature or similar magnitude. (d) June 11.

\* \* \*

**WALES GAS BOARD.** (a) New showroom, stores and garage, Newport Road, Rumney, Cardiff. (b) General Manager, Wales Gas Board, Cardiff Undertaking, Bute Terrace, Cardiff. (c) £4.

## PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. \* denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

**BERKSHIRE.** (1) Erection of paper mill. (2) Thatcham, for Colthrop Board and Paper Mills, Ltd. (3) Taylor Woodrow Construction, Ltd., Southall, Middlesex. (4) £1,000,000.

**MIDDLESEX C.C.** (1) Tollington secondary grammar school. (2) Hornsey. (3) Walter Lawrence and Sons, Ltd., Sun Street, Finsbury, E.C.2. (4) £245,980. (1) Final phase of Maria Grey Training College. (2) Isleworth. (3) W. H. Gaze and Sons, Ltd., The Gazeway, Roehampton, Surrey. (4) £146,984.

**BRADFORD CORPORATION.** (1) 192 flats in 8-storey blocks. (2) Thorpe Edge Estate. (3) John Laing and Son, Ltd., London, N.W.7. (4) £405,572.

**BOSTON R.D.C.** (1) 84 Unity dwellings. (2) Five sites. (3) H. H. Adkins, Edwin Street, Boston, Lincs. (4) £102,286.

**BIRKENHEAD CORPORATION.** (1) 70 houses, 30 flats. (2) Woodchurch Estate. (3) William Thorntoun and Sons, Ltd., 38, Wellington Road, Liverpool, 8. (4) £127,931.

**BENFLEET U.D.C.** (1) 99 houses. (2) Parkfields Estate. (3) C. H. Beckwith, Ltd., Hadleigh, Essex. (4) £134,678.

**YARMOUTH B.C.** (1) Girls' High School. (2) Gorleston. (3) H. A. Holmes and Sons, Ltd., Gorleston, Yarmouth. (4) £155,683.

\* \* \*

**COLCHESTER B.C.** (1) Construction of reservoir. (2) Great Horkesley. (3) W. and C. French, Ltd., Buckhurst Hill, Essex. (4) £77,956.

\* \* \*

**SURREY C.C.** (1) Secondary school. (2) Wrecclesham. (3) C. Neal and Son, Greta Bank, East Lane, West Horsley. (4) £110,428. (1) Girls' school. (2) Woking. (3) E. Clarke and Sons, Ltd., Addlestone, Surrey. (4) £162,838. (1) Secondary school. (2) Burpham. (3) R. Holford and Co., Ltd., Walnut Tree Close, Guildford. (4) £167,957. (1) Secondary school. (2) Addlestone. (3) Sloggett's (Contractors), Ltd., 142, Cromwell Road, London, S.W.7. (1) Primary school. (2) Camberley. (3) Greenaway and Sons, Ltd., 265, Lordship Lane, London, S.E.22. (4) £43,155. (1) Annexe to school. (2) Tolworth. (3) W. H. Streeter, Ltd. (4) £38,872.

\* \* \*

**LONDON COUNTY COUNCIL.** (1) Development. (2) Wyke Estate, Hackney. (3) Rush and Tompkins, Ltd., Station Road, Sidcup, Kent. (4) £392,850, total cost.

\* \* \*

**LONDON COUNTY COUNCIL.** (1) County school. (2) Dulwich. (3) Laverder McMillan (Contractors), Ltd., Worcester Park, Surrey. (4) £455,400. (1) Malory School. (2) Lewisham. (3) Wilson Lovatt and Sons, Ltd., 16, Grosvenor Crescent, London, S.W.1. (4) £461,950. (1) Primary school. (2) Sydenham. (3) Whyatt (Builders), Ltd., Wandsworth, S.W. (4) £99,560. (1) School for physically handicapped children. (2) Hampstead. (3) W. J. Marston and Son, Ltd., Stephendale Road, Fulham, S.W. (4) £68,243. (1) Adaptation as boarding school. (2) Penn, Bucks. (3) Janes (Builders), Ltd., Slough, Bucks. (4) £20,550.

\* \* \*

**MIDDLESBROUGH E.C.** (1) R.C. school, St. Anthony's. (2) Cargo Fleet Lane. (3) F. Shepherd and Son, Ltd., Blue Bridge Lane, York. (4) £123,596.

\* \* \*

**LONDON.** (1) Offices, licensed premises, etc., for Lex Garages. (2) Tottenham Court Road. (3) Gilbert-Ash, Ltd., 2, Stanhope Gate, London, W.I. (4) £99,000.

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\* \* \*

**LONDON.** (1) Bank and offices for Westminster Bank, Ltd. (2) Finsbury Square. (3) Harry Neal, Ltd., 117, Baker Street, London, W.I. (4) £200,000.

\* \* \*

**PENRITH U.D.C.** (1) 100 houses. (2) Scaws Estate. (3) Thomas Armstrong and Son, Ltd., of Cockermouth. (4) £143,739.

\* \* \*

**MIDDLESBROUGH.** (1) Territorial Army centre, for North Riding T.A. and A.F. Association. (2) Brambles Farm. (3) Leslie and Co., Ltd., Woodland Road, Darlington. (4) £100,000.

\* \* \*

**STOKE-ON-TRENT CORPORATION.** (1) 93 houses. (2) Wood Farm, Meir. (3) G. and J. Seddon, Ltd., 55, Duke Street, Fenton, Stoke-on-Trent. (4) £153,442.

\* \* \*

**WOLVERHAMPTON CORPORATION.** (1) 105 dwellings. (2) Wednesfield. (3) Bishop Burns and Co., 28, Benson Avenue, Goldthorn Park, Wolverhampton. (4) £112,741.

\* \* \*

**PORTSMOUTH CORPORATION.** (1) 86 houses. (2) Bedhampton Camp. (3) J. C. Nicholls, Ltd., Fitzherbert Road, Cosham, Hants. (4) £107,449.

\* \* \*

**SMETHWICK B.C.** (1) First instalment of Council house extensions. (3) Geo. Wimpey and Co., Ltd., Hammersmith, W.6. (4) £71,585.

\* \* \*

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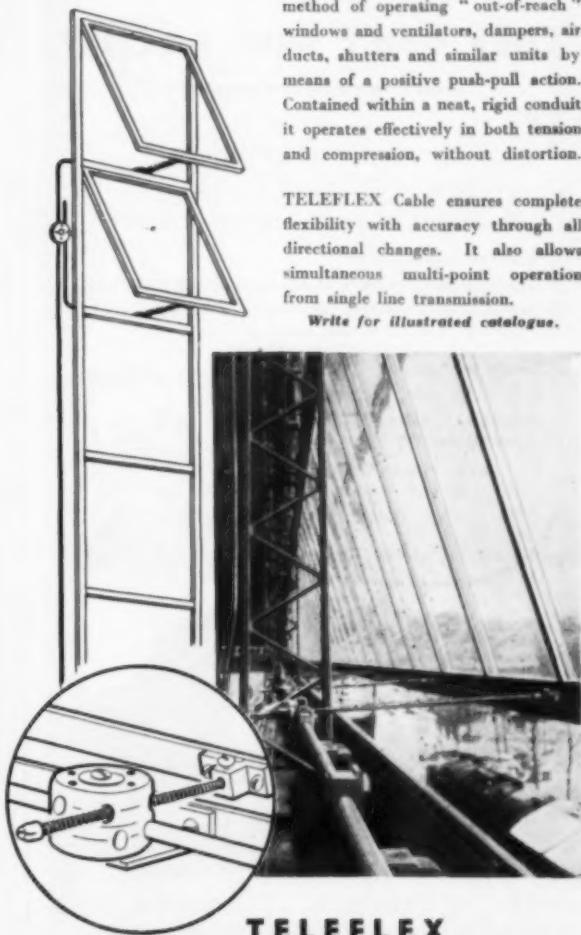
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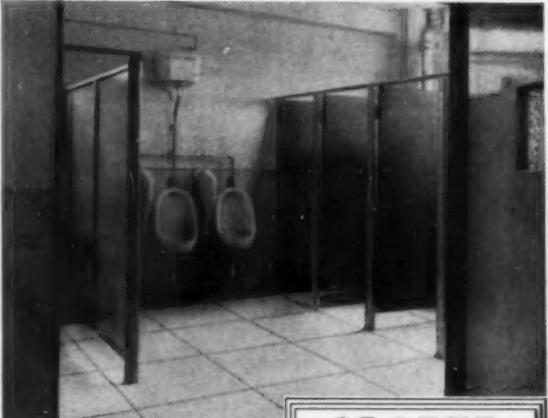
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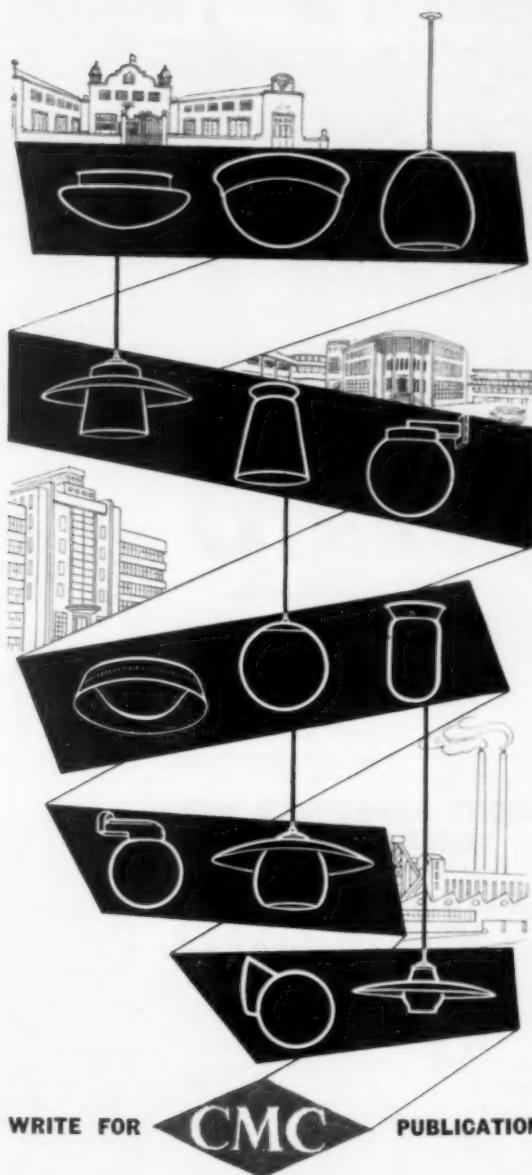
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What a claim! but how many other floors would stand up to an elephant on roller-skates? It might sound ridiculous but seriously, it's the best way we can illustrate how tough and smooth INDUSTRIAL-VINYL-SURFEX really is. Made from a unique formula that GUARANTEES the same even tensile strength throughout the material, it can be laid over almost any new or existing base.

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BRITAIN'S BIGGEST AND LEADING PLASTIC FLOOR MANUFACTURERS



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Designed for building on to the house or existing wall. Width required only 8'. Rear door available.



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One, two or more supplied in a block. Will provide an unequalled investment.

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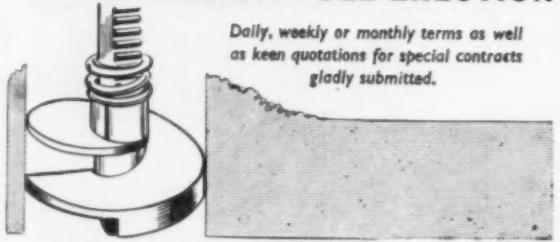
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Your earth boring problem instantly solved by the largest hire fleet of this specialised equipment in the country. Depths to 20 feet, bores to 42 inch diameter holes. Nation-wide coverage.

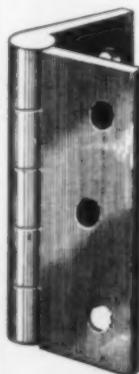
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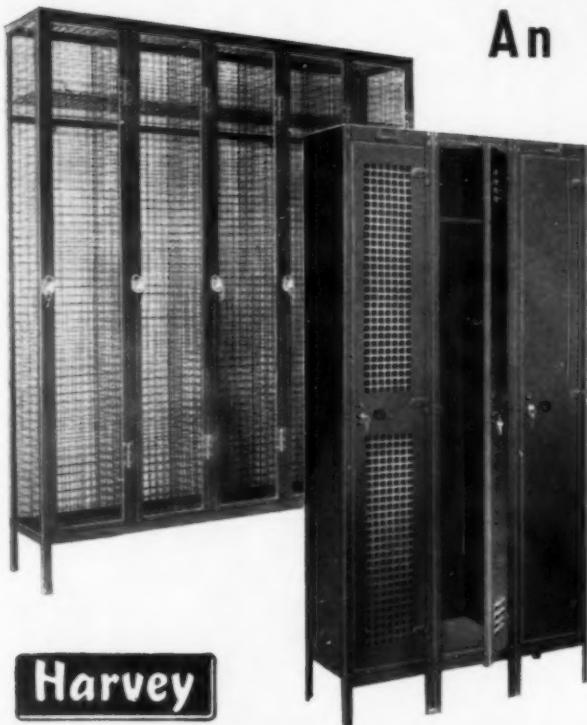
...bang goes that door again for the fiftieth time today

How long will the hinges stand up to such rough treatment? The care and attention given in the manufacture of Baldwin's Cast Iron Butt Hinges ensure that their robust construction will withstand the most severe punishment day after day — year after year

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**Harvey**

Friction between employees and confusion at going-home time may be avoided by providing separate receptacles for clothes and personal belongings. Such provision is also important in the interest of hygiene. 'HARCO' Clothes Lockers provide the answer. They are made in sheet metal or wirework, in nests of up to five in one unit, with short or full-length compartments as required.

Steel lockers are fitted with 6-lever locks which can differ up to 500; wirework lockers carry hasps and fasteners for padlocks. Height of both types is 72 ins.

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IN WIREWORK OR SHEET METAL

*Please ask for Lists A855 and A879.*

G. A. HARVEY & CO. (LONDON) LTD.,  
Woolwich Road, London, S.E.7. GREENwich 3232 (22 lines)



**THIS WAY**

for the best advance picture of  
Britain's Plastics Industry, 1955

Published by the organisers of the exhibition, the June issue of BRITISH PLASTICS gives the first news of what the plastics industry has achieved. It contains floor plans of the exhibition, descriptions of exhibits and quick-reference charts to material manufacturers, moulders, fabricators, plant and equipment. It serves not only as a daily Show Guide, but as a permanent buyer's reference for everyone engaged in the industry.

#### A PERMANENT

Buyer's Guide to the  
Plastics Industry

#### A GUIDE

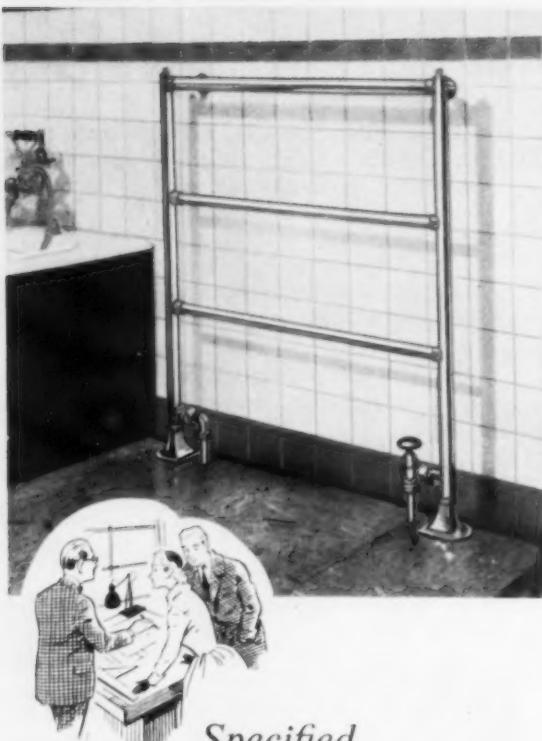
to the Exhibition  
and Convention

#### BRITISH PLASTICS

#### Show Guide

Now on sale

FROM YOUR NEWSAGENT—2s. 6d.



*Specified  
for the best bathrooms*

THE **LEDA**  
**HOT WATER TOWEL RAIL**

A bathroom fitted with a 'Leda' hot water towel rail always wins approval—for its owner, for its designer and for its builder. This rail gives the bathroom a luxurious look, and the luxurious feeling that comes from constant dry, well-aired towels and constant warmth. The 'Leda' both in design and specification is undoubtedly the finest hot water towel rail on the market.

- Patented method of assembly which ensures leakproof joints.
- Two air release valves operated by a coin—no keys to lose.
- High standard chromium plating on nickel.
- Available in two and three rail models to suit every bathroom.
- Individually tested at 120 lb. per square inch air pressure in hot water.

Write for descriptive leaflet to:—

**W. C. YOUNGMAN LIMITED**

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Perfected processes include joining and mounting maps and plans of all sizes on to paper, cotton and board; providing and fixing roller and ledge fittings; fixing to spring rollers; mounting flat or cut to fold as for road maps; providing and fixing large wooden strainers as for theatre and exhibition displays; expert repair of torn and dilapidated documents; binding reports and estimates into book form; edge-binding with 'Byndite' or silk; and varnishing . . . and we welcome new problems!

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**WEST** understand your problems

WESTY SAYS: We specialise in mounting up competition work—faultless presentation is so important.



# OFFICIAL ANNOUNCEMENTS

## APPOINTMENTS

Rate 1/6 per line, minimum 3/-

## CONTRACTS • TENDERS

Close for press 1st post Monday for following Thursday Issue

### APPOINTMENTS

The engagement of persons answering these advertisements must be made through the local offices of the Ministry of Labour and National Service, etc. If the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is excepted from the provisions of The Notification of Vacancies Order, 1952.

#### GEORGE WIMPEY & CO., LIMITED.

THE Architects' Department seek architectural staff enthusiastic to apply their knowledge to new construction techniques covering Houses, Multi-Storey Flats, Offices, Schools and Industrial Buildings for contracts in the U.K. and Overseas.

Appointments range from Architects to Draughtsmen with special interest to those of ability, recognising the value of the designer and technician as an integral part of the production team.

Appointments are on a permanent basis, 5 days a week at Head Office, Hammersmith.

For applicants interested in work in the Midlands, appointments are available in Birmingham Regional Office, carrying similar conditions with the exception that the working week is 5½ days.

Salaries will be according to qualifications and experience, and, subject to satisfactory service, there is a Pension scheme for those wishing to make a career with the firm.

Applicants should write giving brief particulars to E. V. Collins, A.R.I.B.A., Chief Architect, George Wimpey & Co., Ltd., 27, Hammersmith Grove, London, W.6. [9018]

#### OFFICE OF THE RECEIVER FOR THE METROPOLITAN POLICE DISTRICT.

APPLICATIONS are invited for unestablished appointments as Architectural Assistants (New Works and Maintenance Branches) and also as Sanitary Engineering Assistants in the Chief Architect and Surveyor's Department.

Rates of Pay £442 10s (age 21) by annual increments to £695 (men) and £442 10s by annual increases to £615 (women). Overtime of approximately £24 per annum is also payable while a 45½-hour week is worked.

Conditioned hours 44 per week. Annual Leave 24 days.

Application forms from the Chief Clerk, Architect and Surveyor's Department, New Scotland Yard, S.W.1, stating for which drawing office application is made. [0958]

#### HAMPSHIRE.

APPLICATIONS are invited for the following appointments in the County Architect's Department:—

(a) Assistant Architect—Grade V (£750—£900). Candidates must be registered Architects, preferably A.R.I.B.A., with good general experience in the design and construction of Schools and Public Buildings.

(b) Assistant Quantity Surveyors—Grade IV (£675—£825). Candidates must be members of the R.I.C.S. (Quantity Section) with experience in the preparation of estimates and quantities for all types of Public Buildings and the settlement of final accounts for building contracts.

(c) Assistant Maintenance Surveyor, Grade II (£560—£640). Candidates should have passed the Intermediate Examination of the R.I.B.A. or R.I.C.S. and have had experience on maintenance and minor works and surveys of sites and buildings.

The appointments (a) and (b) only, will be terminable by three months' notice on either side, are pensionable, and subject to satisfactory medical reports. In approved cases the County Council are prepared to assist in meeting removal and other expenses.

Applications on forms obtainable from the County Architect, The Castle, Winchester. [11018]

### APPOINTMENTS—contd.

#### LANCASHIRE COUNTY COUNCIL.

##### ARCHITECT'S DEPARTMENT.

THERE are vacancies for two ARCHITECTS, salary scale £675 x £30—£825; one in the Schools branch and one in the General branch where there is a large and interesting building programme.

There is also a vacancy for an ARCHITECT, salary special scale £650 x £25—£775 in the Schools branch.

Applicants for all posts should be Associates R.I.B.A.

Application forms, to be obtained from the County Architect, P.O. Box No. 26, County Hall, Preston, must be returned not later than Monday, June 13, 1955, quoting Ref. A/ABN, together with two recent testimonials and the name of one referee. Indicate preference for "Schools branch" or "General branch." [1074]

#### COUNTY BOROUGH OF BURTON UPON TRENT.

##### BOROUGH ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited for the following appointments:—

1. CHIEF ASSISTANT ARCHITECT (Grade A.P.T. VI—£825—£1,000).

2. CHIEF QUANTITY SURVEYOR (Grade A.P.T. VI—£825—£1,000).

3. ASSISTANT QUANTITY SURVEYOR (Grade A.P.T. IV—£675—£825).

Applicants for posts numbered 1 and 2 must be Associate Members of the Royal Institute of British Architects and the Royal Institute of Chartered Surveyors respectively.

The commencing salary of each post will be in accordance with qualifications and experience, and each appointment will be subject to satisfactory medical examination and to determination by one month's written notice on either side.

Housing Accommodation will be provided for the successful candidate if required.

Applications, giving age, qualifications and full details of experience, together with the names of two referees, should be submitted to the Borough Architect, Town Hall, Burton upon Trent, not later than Friday, the 17th June, 1955.

H. BAILEY CHAPMAN,

Town Hall, Burton upon Trent. Town Clerk. [1124]

#### BARNET URBAN DISTRICT COUNCIL.

##### ARCHITECTURAL ASSISTANT.

APPLICATIONS are invited for the above appointment in the Engineer and Surveyor's Department (Grade A.P.T. II £560 to £640 p.a., plus London Weighting).

Applicants should have passed R.I.B.A. Intermediate examination, have had 3 years' practical experience and be able to prepare working drawings for Housing Schemes.

Appointments subject to N.J.C. conditions, Superannuation and medical examination.

Housing accommodation will be provided, if necessary, when available.

Applications with full details, should be submitted to the Engineer & Surveyor, Ravenscroft House, Wood Street, Barnet, Herts., by June 22, 1955.

ALFRED S. MAYS,

Municipal Offices, Wood Street, Barnet, Herts. May 24, 1955. [1109]

#### LONDON COUNTY COUNCIL.

##### ARCHITECT'S DEPARTMENT.

VACANCIES for Architects Grade III (up to £892 10s) and Architectural Assistants (up to £739 10s), for widespread construction programme which includes houses, blocks of flats, schools of all types, and various public and industrial buildings. Application forms and particulars from Architect (AR/EK/A/3), The County Hall, S.E.1. (678.) [0034]

### APPOINTMENTS—contd.

#### BOROUGH OF CHELTENHAM.

##### APPOINTMENT OF THREE ARCHITECTURAL ASSISTANTS.

APPLICATIONS are invited for the following appointments on the Capital Works Establishment of the Borough Engineer's Department:—

(a) Two ARCHITECTURAL ASSISTANTS (salaries within Grade A.P.T. IV—£675 to £825 p.a.). Applicants must be Associate Members of the R.I.B.A. or equivalent, and experienced in the design of Public Buildings, Housing and Ancillary Buildings in connection with Estate Development.

(b) One ARCHITECTURAL ASSISTANT (salary within special Grade—£650 to £775 p.a.). Applicants must have passed Part I and II of the R.I.B.A. Final Examination or its equivalent and must have had at least five years' experience, including the period spent in theoretical training.

The Council will assist in providing housing accommodation for the successful applicants in accordance with the arrangements (a) above, if required.

The appointments are subject to the National Conditions of Service; to the Superannuation Acts; and to a medical examination; and will be terminable by one month's notice on either side.

Applications, endorsed "Architectural Assistant," stating age, training, qualifications and experience; present and previous appointments; and giving the names of two referees, are to reach Mr. G. Gould Marsland, M.B.E., B.Sc., M.Inst.C.E., Borough Engineer, P.O. Box No. 12, Municipal Offices, Cheltenham, not later than Saturday, June 18, 1955.

F. D. LITTLEWOOD,  
Town Clerk.  
[1116]

#### WELSH REGIONAL HOSPITAL BOARD.

APPLICATIONS invited for permanent post of M DRAUGHTSMAN in the Architect's Department at a salary of £380 (at age 21 or over) £20 (3) x £25 (2) x £20 (4)—£570. A lower commencing salary is payable under 21 years of age.

Applicants must have had suitable training, including three years' technical experience in Architectural drawing.

The appointment is pensionable and terminable by one month's notice on either side.

Applications, stating age, experience, qualifications and present position, together with the names of two referees, should be addressed to the Secretary, Welsh Regional Hospital Board, Cathays Park, Cardiff, within 14 days. [1118]

#### HAMMERSMITH.

(A) SENIOR ARCHITECT—A.P.T. 5. £750/£30/£900 p.a. plus London weighting. Applicants should be A.R.I.B.A. with municipal experience. (B) ARCHITECTURAL ASSISTANT—A.P.T. 1/4 (£500—£825 p.a. plus London weighting) commencing salary according to qualifications and experience. Application forms, returnable by June 18, from Town Clerk, Town Hall, Hammersmith, W.6. [1123]

#### URBAN DISTRICT COUNCIL OF HINCKLEY.

##### ARCHITECTURAL ASSISTANT.

THE Council invite applications for the above appointment in the Surveyor's Department at a salary to be determined according to experience and qualifications but within the range covered by Scales A.P.T. III and IV (£600—£825 per annum).

The successful applicant will be required to pass a medical examination for superannuation scheme purposes.

Applications should be addressed to the undersigned so as to reach him on Monday June 13, 1955, and should give particulars of the candidate's age, training and experience with the names and addresses of two referees as to personal character and ability.

J. G. S. TOMPKINS,  
Clerk of the Council.  
16, Station Road,  
Hinckley.  
May 25, 1955.

[1107]

**APPOINTMENTS—contd.****THE RURAL DISTRICT COUNCIL OF GODSTONE.****ARCHITECTURAL ASSISTANT.**

**A**PPLICACTIONS are invited for the appointment of Architectural Assistant in the office of the Engineer and Surveyor. Salary A.P.T. Grade III (£600 + £25) £625. Commencing salary £600 per annum with travelling allowance in accordance with the National Scale.

Applications, stating age, qualifications and experience, together with copies of not more than two testimonials, should be delivered to the undersigned as early as possible:

F. W. WALPOLE,  
Clerk.

Council Offices,  
Oxted, Surrey.  
May 24, 1955.

[1103]

**MIDDLESEX COUNTY COUNCIL.****EDUCATION COMMITTEE.****EALING TECHNICAL COLLEGE AND SCHOOL OF ART,  
ST. MARY'S ROAD, EALING, W.5.**

**A**PPLICACTIONS are invited for ASSISTANT (GRADE A) to commence in September, 1955, for PLUMBING and Ancillary Building Craft subjects including Building Science. Full City and Guilds of London Institute Technological Certificate or equivalent desirable.

Salary in accordance with the Burnham (Technical) Report, 1954.

Application forms (stamped addressed foolscap envelope) from the Principal, to whom completed forms should be returned within fourteen days of the appearance of this advertisement.

C. E. GURR,  
Secretary to the Education Committee.  
[1099]

**WELSH REGIONAL HOSPITAL BOARD.**

**A**SISTANT ARCHITECT required on the permanent staff of the Regional Architect, Masson Road, Cardiff, at a salary of £625 + £25 (7) x £30 (3) = £890. The starting salary may be more than the minimum of this scale. Salary scale may be increased in the near future.

The work will include the preparation of sketch plans and working drawings of hospitals buildings of a widely varied nature; alterations to existing buildings; inspection and preparation of reports on existing buildings; site surveys; preparation of specifications and supervision of works in progress.

Applicants must be Registered Architects, having passed the Final Examination of the R.I.B.A., with experience in the preparation of working drawings, specifications, surveying, levelling, supervision of contracts, etc. Previous experience in hospital work desirable but not essential.

The appointment is pensionable and terminable by one month's notice on either side.

Applications, stating age, experience, qualifications and present position, together with the names of two referees, should be addressed to the Secretary, Welsh Regional Hospital Board, Cathays Park, Cardiff, within 14 days. [1117]

**LONDON COUNTY COUNCIL.****ARCHITECT'S DEPARTMENT.**

**VACANCIES FOR ARCHITECTS, Grade III (up to £892 10s), and ARCHITECTURAL ASSISTANTS (up to £739 10s), in Schools and Housing and General Divisions.**

Particulars and application forms from Architect (AR/EK/A/3), County Hall, S.E.1. [1058]. [0146]

**L**ONDON COUNTY COUNCIL, Parks Dept. requires:

(1) Architectural assistant for preparation of working drawings and specifications together with supervision of work on site for a variety of ancillary buildings, such as sports pavilions, service buildings, cafés, etc., in parks and open spaces. Salary up to £739 10s.

(2) Landscape assistants, good knowledge of preparation of working drawings, schedules and specifications for park and garden reinstatement or new lay-outs to be executed under contract. Salaries up to £739 10s.

An extensive programme of construction of new parks and open spaces, the laying-out of grounds to new schools, playing fields and housing estates together with other types of groundwork is in hand and these positions provide exceptional opportunities for applicants desirous to extend their experience in this field and in architectural work in association with landscaping. Application forms from the Chief Officer of the Parks Dept. (A.1.), Old County Hall, Spring Gardens, S.W.1. (WHITE, hall 3121, Ext. 319.) [787.] [1125]

**TENDERS****COUNTY BOROUGH OF BRIGHTON.**

**TENDERS** are invited for:—

ERECTION OF 24 DWELLINGS IN TWO BLOCKS OF 3-STORY, 1-BEDROOM FLATS—HOLLINGDEAN ESTATE SECTION 1G.

Bills of Quantities and forms of tender may be obtained from the Borough Engineer and Surveyor, 26-30, King's Road, Brighton, on or after June 7, 1955, on receipt of a returnable deposit of £2 2s.

Tenders are to be delivered to the Town Clerk in plain sealed envelopes not later than 12 noon on Tuesday, June 28, 1955. W. O. DODD,  
Town Clerk. [1120]

**COUNTY BOROUGH OF BRIGHTON.**

**TENDERS** are invited for:—

ERECTION OF 20 DWELLINGS IN ONE 3-STORY BLOCK OF 12 1-BEDROOM FLATS, AND TWO 2-STORY BLOCKS OF 8 1-BEDROOM FLATS EACH—SITE 15, JUNCTION OF BIRDHAM ROAD AND MOULSECOOMB WAY.

Bills of Quantities and forms of tender may be obtained from the Borough Engineer and Surveyor, 26-30, King's Road, Brighton, on or after June 7, 1955, on receipt of a returnable deposit of £2 2s.

Tenders are to be delivered to the Town Clerk in plain sealed envelopes not later than 12 noon on Tuesday, June 28, 1955. W. O. DODD,  
Town Clerk. [1121]

**COUNTY BOROUGH OF BRIGHTON.**

**TENDERS** are invited for:—

ERECTION OF AGED PERSONS' BUNGALOWS AT MANOR FARM, IN TWO CONTRACTS AS FOLLOWS:—

Contract 1. 14 Bungalows, Manor Paddock House Site.

Contract 2. 3 Bungalows, Manor Green.

Bills of Quantities and forms of tender may be obtained from the Borough Engineer and Surveyor, 26-30, King's Road, Brighton, on or after June 7, 1955, on receipt of a returnable deposit of £2 2s in respect of Contract 1 and £1 1s in respect of Contract 2.

Tenders are to be delivered to the Town Clerk in plain sealed envelopes not later than 12 noon on Tuesday, June 28, 1955. W. O. DODD,  
Town Clerk. [1122]

**PUBLIC NOTICE**

**WOODROFFE, BUCHANAN & COULTER** wish to announce that they have taken into partnership Mr. W. W. Chapman, O.B.E., T.D., A.R.I.B.A. The firm will continue to practise from 5, Bedford Row, W.C.1, and also at 41, High Street, Tring, Herts. [1108]

**MISCELLANEOUS SECTION**

**RATE** : 1/6d. per line, minimum 3/-, average line 6 words. Each paragraph charged separately.

**BOX NOS.** add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o, "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

**PRESS DAY** Monday. Remittances payable to Iliffe & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

No responsibility accepted for errors.

**ARCHITECTURAL APPOINTMENTS VACANT**

*The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc. If the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is excepted from the provisions of The National Service Act, 1952.*

**ARCHITECT'S** Assistants required (1 senior and 2 juniors) for West End office.—Write stating full particulars and salary required to Box 2085, c/o A. & B.N. [8819]

**ARCHITECTURAL** assistant, intermediate approaching final, commercial and industrial work; large-scale contracts.—Watson, Johnson, Stokes, Victoria Square, Birmingham. [0024]

**ARCHITECTURAL APPOINTMENTS VACANT—contd.**

**R**AMSEY, MURRAY & WHITE have vacancies for:—

(a) Qualified Architect with several years' office experience, especially on Industrial Buildings.

(b) Architectural Assistant, advanced student R.I.B.A. with at least twelve months' office experience.

(c) ARCHITECTURAL ASSISTANT, about intermediate standard, preferably with office experience.

Salary according to qualifications.—Apply 32, Wigmore St., London, W.1, or Telephone Welbeck 1409. [0984]

**S**ENIOR Assistant required in busy practice in West End. Age about 30 years, qualified, with several years' experience and capable of running contracts.—Box 3851, c/o A. & B.N. [0636]

**WESTWOOD, SONS & HARRISON, F.R.I.B.A.** require senior and junior architectural assistants with office experience.—Apply in writing to 46, Baker St., W.1. [0071]

**T**WO Architectural Assistants required, intermediate standard, for contemporary office, salary according to experience.—C. M. Elson, F.R.I.B.A., 44, Catherine Place, S.W.1. Victoria 4304. [1083]

**JUNIOR** and intermediate architectural assistants required urgently in London office with widely varied practice; good salaries; 5-day week.—Lewis Solomon, Son & Joseph, Hol. 5108 or 7082. [0938]

**A**rchitect's Senior Assistant with office experience required in busy office in Birmingham for large commercial work. Salary £1,000 per annum. Office Pension Scheme.—Box 4309, c/o A. & B. N. [1104]

**ARCHITECTURAL** Assistants (Senior and Junior) required.—Please reply giving particulars of qualifications, experience and salary required to Bernard H. Dale & Partners, 19, Carlton Crescent, Southampton. [1068]

**A**rchitects—Jackson and Edmonds, Birmingham, have vacancies for Senior Assistants in the salary grade £550 to £900. Pension Scheme operates. Write stating training, experience and salary required to 116, Colmore Row, Birmingham. [1091]

**A**SSISTANTS required, fully qualified to operate principally on design and planning of projects including cinemas, offices, hospital etc.; previous office experience advantageous but main qualification to prepare quick and competent sketch designs.—Box 4334, c/o A. & B.N. [1115]

**ARCHITECTURAL** Assistant urgently required, intermediate stage or above and with practical experience particularly in traditional domestic and other work.—Please write stating age, experience and salary required to Alwyn & Mansel, 1a, Berners Street, London, W.1. [0004]

**H**OWARD V. LOBB & PARTNERS require Assistant Architects for London and Cowes I.O.W. Offices. Schools, offices, and industrial work. Office experience essential and salary scale according to qualifications and experience.—Apply 20, Gower Street, W.C.1. MUSEUM 8575. [1110]

**QUALIFIED** Assistant Architect, experienced in preparation of working drawings, details, specifications, and supervision, required immediately for busy Salisbury office. Write stating experience and salary required to Robert Potter and Richard Hart, F.R.I.B.A., De Vaux House, Salisbury. [1105]

**A**rchitectural Assistant required up to Intermediate standard to prepare working drawings and details for housing from sketches. Commencing salary £400 p.a.—Apply in writing stating experience, etc., to Sir Lindsay Parkinson & Co., Ltd., 171, Shaftesbury Avenue, London, W.C.2. [1102]

**ARCHITECTURAL** Assistants required, all grades; these positions offer excellent experience in wide variety of work, with salaries closely related to capabilities, and reviewed September annually, pension scheme available, travelling expenses paid to applicants selected for interview.—W. S. Hatfield & Partners, 1, Queen's Rd., Coventry. [1078]

**A**rchitect. Vacancies occur in a well-known Belfast office for Junior, Intermediate and Senior Architectural Assistants. The practice offers opportunity on University, Schools, Church and Hospital Buildings. Apply full details education, training, age and experience, with copies of testimonials or names referees to Box 4330, c/o A. & B.N. [1111]

**A** SENIOR Assistant Architect required for large practice in West Indies, to work under resident partner. First-class opportunity for capable man with initiative and tact. Applicants should be qualified, preferably school-trained and be able to produce highest references as to ability and character. Previous tropical experience an advantage but not essential.—Apply in writing giving age and experience to W. H. Watkins, Gray, F.R.I.B.A., and Partners, 57, Catherine Place, Palace Street, London, S.W.1. [1098]

**ARCHITECTURAL APPOINTMENTS VACANT—contd.**

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**SENIOR and Junior Architectural Assistants** required in West End office; Senior applicants should preferably have London experience and be capable of taking wide responsibility in respect of large private flat developments and commercial buildings; Junior applicants should be of intermediate standard, salaries according to experience and qualifications.—Apply Richardson & McLaughlan, 13, Mansfield St., W.1. Telephone Langham 5984. [1077]

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